

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. <i>(If applicable)</i>	
6. ISSUED BY		CODE		7. ADMINISTERED BY <i>(If other than Item 6)</i>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>				(X)		9A. AMENDMENT OF SOLICITATION NO.	
						9B. DATED <i>(SEE ITEM 11)</i>	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED <i>(SEE ITEM 11)</i>	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
- (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>		16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>		<i>(Signature of Contracting Officer)</i>	

Item 14. Continued.

CHANGES TO THE BIDDING SCHEDULE

1. Delete the note pertaining to the Bidding Schedule and add the attached Bidding Schedule, bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008."

CHANGES TO WAGE RATES AND AFFIRMATIVE ACTION PLAN

2. Wage Rates. - Replace wage rate pages 00710-1 through 00710-17 with the attached pages 00710-1 through 00710-33, each page bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008."

CHANGES TO SPECIAL CONTRACT REQUIREMENTS

3. Replacement Section - Replace the following section with the accompanying new section of the same number and title, bearing the notation "(AM-0001) :"

SECTION 00800 SPECIAL CONTRACT REQUIREMENTS

CHANGES TO THE SPECIFICATIONS

4. Replacement Sections - Replace the following sections with the accompanying new sections of the same number and title, bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008:"

SECTION 01000 CONSTRUCTION SCHEDULE
SECTION 01451 CONTRACTOR QUALITY CONTROL
SECTION 01770 CONTRACT CLOSEOUT

END OF AMENDMENT

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Upgrade Water System (Title)
Fort Bliss, Texas (Location)

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE
(To be attached to SF 1442)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
-------------	-------------	-----------------------	------	--------------	---------------------

BASE BID: All work required by the plans and specifications for the Upgrade Water System excluding all Option Bid Items.

0001 WATER LINES IN NON-PAVED AREAS (AREA A)

0001AA	1-Inch Pipe	50	LF	\$ _____	\$ _____
0001AB	2-Inch Pipe	367	LF	\$ _____	\$ _____
0001AC	3-Inch Pipe	495	LF	\$ _____	\$ _____
0001AD	4-Inch Pipe	891	LF	\$ _____	\$ _____
0001AE	6-Inch Pipe	12,600	LF	\$ _____	\$ _____
0001AF	8-Inch Pipe	11,000	LF	\$ _____	\$ _____
0001AG	10-Inch Pipe	554	LF	\$ _____	\$ _____
0001AH	12-Inch Pipe	3,500	LF	\$ _____	\$ _____
0001AI	14-Inch Pipe	50	LF	\$ _____	\$ _____
0001AJ	16-Inch Pipe	7,700	LF	\$ _____	\$ _____

Total Bid Item No. 1 \$ _____

0002 WATER LINES IN PAVED AREAS (AREA A)

0002AA	1-Inch Pipe	50	LF	\$ _____	\$ _____
0002AB	2-Inch Pipe	100	LF	\$ _____	\$ _____
0002AC	3-Inch Pipe	100	LF	\$ _____	\$ _____
0002AD	4-Inch Pipe	100	LF	\$ _____	\$ _____
0002AE	6-Inch Pipe	2,400	LF	\$ _____	\$ _____
0002AF	8-Inch Pipe	1,600	LF	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0002AG	12-Inch Pipe	3,400	LF	\$ _____	\$ _____
0002AH	14-Inch Pipe	50	LF	\$ _____	\$ _____
0002AI	16-Inch Pipe	7,100	LF	\$ _____	\$ _____
Total Bid Item No. 2				\$ _____	
0003	WATER LINES IN ENCASEMENT (AREA A)				
0003AA	6-Inch Pipe	280	LF	\$ _____	\$ _____
0003AB	8-Inch Pipe	764	LF	\$ _____	\$ _____
0003AC	12-Inch Pipe	80	LF	\$ _____	\$ _____
0003AD	16-Inch Pipe	316	LF	\$ _____	\$ _____
Total Bid Item No. 3				\$ _____	
0004	ENCASEMENT PIPE (AREA A)				
0004AA	5/8-Inch Thick by 12-Inch Dia.	280	LF	\$ _____	\$ _____
0004AB	5/8-Inch Thick by 16-Inch Dia.	764	LF	\$ _____	\$ _____
0004AC	5/8-Inch Thick by 24-Inch Dia.	80	LF	\$ _____	\$ _____
0004AD	5/8-Inch Thick by 30-Inch Dia.	316	LF	\$ _____	\$ _____
Total Bid Item No. 4				\$ _____	
0005	FIRE HYDRANTS (AREA A)	150	EA	\$ _____	\$ _____
0006	PIPE BOLLARDS (AREA A)	300	EA	\$ _____	\$ _____
0007	GATE VALVES (AREA A)				
0007AA	2-Inch	5	EA	\$ _____	\$ _____
0007AB	4-Inch	6	EA	\$ _____	\$ _____
0007AC	6-Inch	220	EA	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0007AD	8-Inch	44	EA	\$_____	\$_____
0007AE	10-Inch	12	EA	\$_____	\$_____
0007AF	12-Inch	13	EA	\$_____	\$_____
0007AG	14-Inch	3	EA	\$_____	\$_____
0007AH	16-Inch	35	EA	\$_____	\$_____
Total Bid Item No. 7 \$_____					
0008	REDUCERS (AREA A)				
0008AA	1 or 1-1/2 X 2	2	EA	\$_____	\$_____
0008AB	2 X 4	3	EA	\$_____	\$_____
0008AC	3 X 4	1	EA	\$_____	\$_____
0008AD	4 X 6	3	EA	\$_____	\$_____
0008AE	4 X 8	2	EA	\$_____	\$_____
0008AF	4 X 10	1	EA	\$_____	\$_____
0008AG	4 X 12	1	EA	\$_____	\$_____
0008AH	4 X 14	1	EA	\$_____	\$_____
0008AI	4 X 16	1	EA	\$_____	\$_____
0008AJ	6 X 8	3	EA	\$_____	\$_____
0008AK	6 X 10	3	EA	\$_____	\$_____
0008AL	6 X 12	2	EA	\$_____	\$_____
0008AM	6 X 14	1	EA	\$_____	\$_____
0008AN	6 X 16	1	EA	\$_____	\$_____
0008AP	8 X 10	1	EA	\$_____	\$_____
0008AQ	8 X 12	4	EA	\$_____	\$_____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0008AR	8 X 14	1	EA	\$_____	\$_____
0008AS	8 X 16	2	EA	\$_____	\$_____
0008AT	10 X 12	1	EA	\$_____	\$_____
0008AU	10 X 14	1	EA	\$_____	\$_____
0008AV	10 X 16	1	EA	\$_____	\$_____
0008AW	12 X 14	1	EA	\$_____	\$_____
0008AX	12 X 16	4	EA	\$_____	\$_____
0008AY	14 X 16	2	EA	\$_____	\$_____
Total Bid Item No. 8 \$_____					
0009	TEES (AREA A)				
0009AA	4-Inch	2	EA	\$_____	\$_____
0009AB	6-Inch	26	EA	\$_____	\$_____
0009AC	8-Inch	15	EA	\$_____	\$_____
0009AD	10-Inch	2	EA	\$_____	\$_____
0009AE	12-Inch	11	EA	\$_____	\$_____
0009AF	14-Inch	1	EA	\$_____	\$_____
0009AG	16-Inch	19	EA	\$_____	\$_____
Total Bid Item No. 9 \$_____					
0010	90 DEGREE BENDS (AREA A)				
0010AA	4-Inch	3	EA	\$_____	\$_____
0010AB	6-Inch	12	EA	\$_____	\$_____
0010AC	8-Inch	19	EA	\$_____	\$_____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0010AD	10-Inch	5	EA	\$ _____	\$ _____
0010AE	12-Inch	8	EA	\$ _____	\$ _____
0010AF	16-Inch	7	EA	\$ _____	\$ _____
Total Bid Item No. 10					\$ _____
0011	45 DEGREE BENDS (AREA A)				
0011AA	4-Inch	8	EA	\$ _____	\$ _____
0011AB	6-Inch	12	EA	\$ _____	\$ _____
0011AC	8-Inch	16	EA	\$ _____	\$ _____
0011AD	10-Inch	7	EA	\$ _____	\$ _____
0011AE	12-Inch	11	EA	\$ _____	\$ _____
0011AF	16-Inch	18	EA	\$ _____	\$ _____
Total Bid Item No. 11					\$ _____
0012	22-1/2 DEGREE BENDS (AREA A)				
0012AA	4-Inch	2	EA	\$ _____	\$ _____
0012AB	6-Inch	6	EA	\$ _____	\$ _____
0012AC	8-Inch	10	EA	\$ _____	\$ _____
0012AD	10-Inch	1	EA	\$ _____	\$ _____
0012AE	12-Inch	5	EA	\$ _____	\$ _____
0012AF	16-Inch	7	EA	\$ _____	\$ _____
Total Bid Item No. 12					\$ _____
0013	11-1/4 DEGREE BENDS (AREA A)				
0013AA	4-Inch	1	EA	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0013AB	6-Inch	1	EA	\$ _____	\$ _____
0013AC	8-Inch	1	EA	\$ _____	\$ _____
0013AD	10-Inch	1	EA	\$ _____	\$ _____
0013AE	12-Inch	3	EA	\$ _____	\$ _____
0013AF	16-Inch	3	EA	\$ _____	\$ _____
Total Bid Item No. 13					\$ _____
0014	SOLID SLEEVES (AREA A)				
0014AA	4-Inch	2	EA	\$ _____	\$ _____
0014AB	6-Inch	6	EA	\$ _____	\$ _____
0014AC	8-Inch	20	EA	\$ _____	\$ _____
0014AD	10-Inch	1	EA	\$ _____	\$ _____
0014AE	12-Inch	8	EA	\$ _____	\$ _____
0014AF	14-Inch	1	EA	\$ _____	\$ _____
0014AG	16-Inch	4	EA	\$ _____	\$ _____
Total Bid Item No. 14					\$ _____
0015	TAPPING SLEEVE AND VALVE WITH VALVE BOX (AREA A)				
0015AA	4 X 4	1	EA	\$ _____	\$ _____
0015AB	6 X 6	5	EA	\$ _____	\$ _____
0015AC	6 X 8	12	EA	\$ _____	\$ _____
0015AD	6 X 10	10	EA	\$ _____	\$ _____
0015AE	6 X 12	20	EA	\$ _____	\$ _____
0015AF	6 X 14	10	EA	\$ _____	\$ _____
0015AG	6 X 16	5	EA	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0015AH	8 X 8	20	EA	\$ _____	\$ _____
0015AI	8 X 10	15	EA	\$ _____	\$ _____
0015AJ	8 X 12	26	EA	\$ _____	\$ _____
0015AK	8 X 14	1	EA	\$ _____	\$ _____
0015AL	8 X 16	5	EA	\$ _____	\$ _____
0015AM	10 X 10	9	EA	\$ _____	\$ _____
0015AN	12 X 12	10	EA	\$ _____	\$ _____
0015AO	12 X 14	1	EA	\$ _____	\$ _____
0015AP	12 X 15	10	EA	\$ _____	\$ _____
Total Bid Item No. 15				\$ _____	
0016	CUT AND CAP (AREA A)				
0016AA	4-Inch	2	EA	\$ _____	\$ _____
0016AB	6-Inch	18	EA	\$ _____	\$ _____
0016AC	8-Inch	12	EA	\$ _____	\$ _____
0016AD	10-Inch	15	EA	\$ _____	\$ _____
0016AE	12-Inch	12	EA	\$ _____	\$ _____
0016AF	14-Inch	3	EA	\$ _____	\$ _____
0016AG	16-Inch	8	EA	\$ _____	\$ _____
Total Bid Item No. 16				\$ _____	
0017	REMOVE EXISTING PIPING (NOT ASBESTOS CEMENT) IN NON-PAVED AREAS (AREA A)				
0017AA	4-Inch	200	LF	\$ _____	\$ _____
0017AB	6-Inch	3,000	LF	\$ _____	\$ _____
0017AC	8-Inch	4,000	LF	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0017AD	10-Inch	300	LF	\$ _____	\$ _____
0017AE	12-Inch	300	LF	\$ _____	\$ _____
0017AF	14-Inch	3,000	LF	\$ _____	\$ _____
0017AG	16-Inch	300	LF	\$ _____	\$ _____
Total Bid Item No. 17 \$ _____					
0018	REMOVE EXISTING PIPING (NOT ASBESTOS CEMENT) IN PAVED AREAS (AREA A)				
0018AA	4-Inch	176	LF	\$ _____	\$ _____
0018AB	6-Inch	1,732	LF	\$ _____	\$ _____
0018AC	8-Inch	2,000	LF	\$ _____	\$ _____
0018AD	10-Inch	200	LF	\$ _____	\$ _____
0018AE	12-Inch	200	LF	\$ _____	\$ _____
0018AF	14-Inch	4,000	LF	\$ _____	\$ _____
0018AG	16-Inch	4,000	LF	\$ _____	\$ _____
Total Bid Item No. 18 \$ _____					
0019	REMOVE EXISTING ASBESTOS CEMENT PIPING IN NON-PAVED AREAS (AREA A)				
0019AA	4-Inch	400	LF	\$ _____	\$ _____
0019AB	6-Inch	4,000	LF	\$ _____	\$ _____
0019AC	8-Inch	4,000	LF	\$ _____	\$ _____
0019AD	10-Inch	1,500	LF	\$ _____	\$ _____
0019AE	12-Inch	400	LF	\$ _____	\$ _____
0019AF	14-Inch	200	LF	\$ _____	\$ _____
0019AG	16-Inch	100	LF	\$ _____	\$ _____
Total Bid Item No. 19 \$ _____					

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0020	REMOVE EXISTING ASBESTOS CEMENT PIPING IN PAVED AREAS (AREA A)				
0020AA	4-Inch	100	LF	\$ _____	\$ _____
0020AB	6-Inch	500	LF	\$ _____	\$ _____
0020AC	8-Inch	500	LF	\$ _____	\$ _____
0020AD	10-Inch	500	LF	\$ _____	\$ _____
0020AE	12-Inch	100	LF	\$ _____	\$ _____
0020AF	14-Inch	100	LF	\$ _____	\$ _____
0020AG	16-Inch	100	LF	\$ _____	\$ _____
Total Bid Item No. 20 \$ _____					
0021	FLOWABLE BACKFILL (AREA A)	8,000	SY	\$ _____	\$ _____
0022	AGGREGATE SURFACE COURSE (AREA A)	2,000	SY	\$ _____	\$ _____
0023	CONCRETE WALK REPLACEMENT (AREA A)	5,000	SF	\$ _____	\$ _____
0024	CONCRETE PAVEMENT REPLACEMENT (AREA A)	300	SY	\$ _____	\$ _____
0025	ASPHALT PAVEMENT REPLACEMENT (AREA A)	6,300	SY	\$ _____	\$ _____
0026	CURB AND GUTTER REPLACEMENT (AREA A)	5,800	LF	\$ _____	\$ _____
0027	CONCRETE ENCASE WATER LINE (AREA A)	180	LF	\$ _____	\$ _____
0028	2-INCH BLOW-OFF (AREA A)	12	EA	\$ _____	\$ _____
0029	2-INCH METER IN METER BOX (AREA A)	5	EA	\$ _____	\$ _____
0030	1-INCH METER IN METER BOX (AREA A)	10	EA	\$ _____	\$ _____
0031	1-INCH MANUAL AIR RELEASE VALVE (AREA A)	20	EA	\$ _____	\$ _____
0032	MOUNT FRANKLINRED LANDSCAPE ROCK W/ WOVEN WEAVE BARRIER UNDERLAYMENT	10	TON	\$ _____	\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0033	COUPLINGS FOR TIE-INS (AREA A)				
0033AA	1-Inch	10	EA	\$ _____	\$ _____
0033AB	2-Inch	5	EA	\$ _____	\$ _____
0033AC	3-Inch	2	EA	\$ _____	\$ _____
total Bid Item No. 32					\$ _____
0034	ALL WORK FOR AREAS B THRU G AND ALL WORK NOT LISTED SEPARATELY	JOB	SUM	***	\$ _____
0035	Warranty Work (All Contract Work)				
The monetary value of this bid item shall equal at least 1 per cent of the total of all bid items preceding it. A value less than 1 per cent will result in a determination of non-responsive bid. See Contract Specification Section 01770 CONTRACT CLOSEOUT, paragraph "Contractor's Response to Construction Warranty Service Requirements."					
		JOB	SUM	***	\$ _____
0036	Operation & Maintenance Manuals	JOB	SUM	***	\$ 25,000.00
0037	Final As-Built Drawings	JOB	SUM	***	\$ 25,000.00
TOTAL BASE BID					\$ _____
0038 OPTION NO. 1: Additional cost for all work required by the plans and specifications for: Area H - Building 4318 Pump Replacement.					
TOTAL OPTION NO. 1					\$ _____
0039 OPTION NO. 2: Additional cost for all work required by the plans and specifications for: Area I - McGregor Range Camp Water Line Improvements.					
TOTAL OPTION NO. 2					\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Estimated Amount
0040	OPTION NO. 3: Additional cost for all work required by the plans and specifications for: Area J - Dona Ana Range Camp Water Storage and Water Line Improvements.				
	TOTAL OPTION NO. 3				\$ _____
0041	OPTION NO. 4: Additional cost for all work required by the plans and specifications for: Area K - Oro Grande Range Camp Water Storage and Water Line Improvements.				
	TOTAL OPTION NO. 4				\$ _____
0042	OPTION NO. 5: Additional cost for all work required by the plans and specifications for: Area L - Pump Capacity, Tobin Well Building 3695.				
	TOTAL OPTION NO. 5				\$ _____
0043	OPTION NO. 6: Additional cost for all work required by the plans and specifications for: Area M - Pump Capacity, Main Cantonment Building 1318.				
	TOTAL OPTION NO. 6				\$ _____
TOTAL BASE BID + OPTIONS 1 - 6:					\$ _____

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION DACA63-03-B-0008

Solicitation No. DACA63-03-B-0008

BIDDING SCHEDULE(cont)

NOTES:

1. ARITHMETIC DISCREPANCIES (EFARS 14.407-2)

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bidding schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) In case of discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected; and
- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. If a modification to a bid based on unit prices is submitted, which provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment to each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

3. Bidders must bid on all items.

4. Costs attributable to Division 01 - General Requirements are assumed to be prorated among bid items listed.

5. Responders are advised that this requirement may be delayed, cancelled or revised at any time during the solicitation, selection, evaluation, negotiation and/or final award process based on decisions related to DOD changes in force structure and disposition of the Armed Forces.

6. For the purpose of this solicitation, the word "item" shall be considered to mean "schedule" as used in Provision 52.214-0019, CONTRACT AWARD--SEALED BIDDING--CONSTRUCTION, in Section 00100 INSTRUCTIONS, CONDITIONS, AND NOTICES TO BIDDERS.

BIDDING SCHEDULE(cont)

NOTES (cont)

7. EXERCISE OF OPTIONS (SWDR 715-1-1 (16 January 1996))

The Government reserves the right to exercise the option(s) by written notice to the Contractor either singularly or in any combination for up to 90 calendar days after award of the Base Bid without an increase in the Offeror's Bid Price. Completion of added items shall continue at the same schedule as the Base Bid unless otherwise noted in Section 01000 CONSTRUCTION SCHEDULE, paragraph 1 entitled SCHEDULE.

9. ABBREVIATIONS

For the purpose of this solicitation, the units of measure are represented as follows:

- a. EA (each)
- b. SY (square yards)
- c. SF (square feet)
- d. LS (lump sum)
- e. LF (length in linear feet)

END OF BIDDING SCHEDULE

APPLICATION OF WAGE DECISIONS

Solicitation No: **DACA63-03-B-0008**
Project: **FY03 PN 19960 Water System Upgrade**
Location: **Fort Bliss, El Paso County, Texas**

1. Davis-Bacon Act Wage Decision, TX030009, Building Construction Projects, will be applicable to the construction, alteration, painting or repair of buildings, installation within buildings, appurtenances to buildings, foundations for buildings, excavation and fill for buildings, and utilities within five feet of buildings for those construction activities performed in **El Paso County, Texas.**

2. Davis-Bacon Act General Decision TX030032, Sewer and Water Lines, will be applicable to the construction and all utilities more than five feet from buildings, and any other construction requirements not shown in paragraph 1 above in **El Paso County.**

3. Davis-Bacon Act Wage Decision, NM030001, Building Construction Projects, will be applicable to the construction, alteration, painting or repair of buildings, installation within buildings, appurtenances to buildings, foundations for buildings, excavation and fill for buildings, and utilities within five feet of buildings for those construction activities performed in **Otero County, New Mexico.**

NOTE:

(1) **CERTIFIED PAYROLL RECORDS ARE REQUIRED, UNDER THE DAVIS-BACON AND RELATED ACTS (DBRA), AND MUST BE SUBMITTED WEEKLY, TO THE U.S. ARMY CORPS OF ENGINEERS, FOR ALL CONSTRUCTION PERFORMED.**

(2) **THE WAGE DECISION NUMBER APPLICABLE TO THE WORK PERFORMED FOR EACH CERTIFIED PAYROLL PERIOD, IS TO BE SHOWN (ANNOTATED) ON EACH AND EVERY CERTIFIED PAYROLL RECORD SUBMITTED. MULTIPLE WAGE DECISION USAGE DURING ANY ONE WORK PERIOD SHALL ALSO BE SO ANNOTATED TO THE CERTIFIED PAYROLL RECORD.**

Any questions Prospective Bidders may have with regard to Davis-Bacon Act Wage Decision Applicability must be addressed to the Fort Worth District Contracting Division Labor Relations Team at 1-800-443-7914.

EL PASO, TX, SMSA AREA

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL
EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (APR 1984)
(FAR 52.222-23D) (DEVIATION)**

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

<u>Goals for minority participation for each trade</u>	<u>Goals for female participation for each trade</u>
57.8%	6.9%

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs Office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

(d) The Contractor shall provide written notification to the Deputy Assistant Secretary for Federal Contract Compliance Programs, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the--

EL PASO, TX, SMSA AREA

- (1) Name, address, and telephone number of the subcontractor;
- (2) Employer=s identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) Geographical area in which the subcontract is to be performed.

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is: the City of El Paso and County of **El Paso**, Texas.

General Decision Number TX030009

Superseded General Decision No. TX020009

State: **TEXAS**Construction Type:
BUILDINGCounty(ies):
EL PASO **TERRELL**

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories). (Use current highway General Wage Determination for Paving & Utilities Incidental to Building Construction).

Modification Number	Publication Date
0	06/13/2003

COUNTY(ies):

EL PASO TERRELL

BRTX0001H 05/01/2001

	Rates	Fringes
BRICKLAYERS	18.00	4.40

ELEC0583D 12/01/2002

	Rates	Fringes
ELECTRICIANS	18.00	4.30+4.25%
CABLE SPLICERS	18.25	4.30+4.25%

ENGI0953B 06/01/1999

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
Forklift	12.97	2.90
Hydraulic Crane	12.97	2.90
Tower Crane	15.45	2.90

LABO0016B 04/01/2002

	Rates	Fringes
MASON TENDERS	11.30	2.13

SHEE0049D 07/01/1995

	Rates	Fringes
SHEET METAL WORKERS		
All Other Work	16.35	3.46

SUTX1056A 03/01/1990

	Rates	Fringes
CARPENTERS (Excluding batt installation); (Including acoustical ceiling installation and drywall hanging)	7.96	
CEMENT MASONS	8.04	
GLAZIERS	6.75	
INSULATOR - BATT	6.18	

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

IRONWORKERS;	
Reinforcing	9.00
Structural	8.05
LABORERS (including landscaping)	5.15
PAINTERS, BRUSH & ROLLER (including drywall finishing)	7.62
PLUMBERS & PIPEFITTERS:	
HVAC work only	9.49
All other work	9.17
POWER EQUIPMENT OPERATORS:	
Backhoe	7.45
ROOFERS	5.80
SHEET METAL WORKERS;	
HVAC duct work only	7.72
SPRINKLER FITTERS	8.00
TRUCK DRIVERS	5.95

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

General Decision Number TX030032

Superseded General Decision No. TX020032

State: **TEXAS**Construction Type:
SEWER AND WATER LINECounty(ies):
EL PASO

Water and Sewer Lines.

Modification Number	Publication Date
0	06/13/2003

COUNTY(ies):

EL PASO

SUTX7019A 10/17/1991

	Rates	Fringes
CARPENTERS	\$7.95	
CONCRETE FINISHERS	7.11	
FORM SETTERS	5.75	
LABORERS		
COMMON	5.17	
LABORER		
UTILITY	6.15	
PIPELAYERS	6.65	
POWER EQUIPMENT OPERATORS:		
Asphalt Distributor	7.30	.14
Asphalt Raker	7.50	.14
Asphalt Paving Machine	7.50	
Backhoe	7.63	
Front End Loader	7.39	
Motor Grader	8.05	
Roller	5.89	
TRUCK DRIVERS	5.65	

WELDERS-RECEIVE RATE PRESCRIBED FOR CRAFT PERFORMING OPERATION TO WHICH WELDING IS INCIDENTAL.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

GENERAL DECISION NM030001 06/13/2003 NM1

Superseded General Decision No. NM020001

State: **New Mexico**

Construction Type:

BUILDING**HEAVY**

County(ies):

STATEWIDE

STATEWIDE - **EXCLUDING EDDY AND LEA COUNTIES FOR BUILDING CONSTR.**

GENERAL BUILDING AND HEAVY ENGINEERING CONSTRUCTION shall include the construction, alteration, repair and demolition of buildings, including office buildings, warehouses, industrial and commercial buildings, institutional and public buildings, and all air conditioning, conduit, heating and other mechanical and electrical works and site preparation for building or heavy engineering projects under this classification, stadia; and shall include electrical, gas, water, sewer lines, and other such utility construction which are part of projects under this classification and include within the property line or less than five (5) feet from the building or heavy engineering structure, whichever is closer, provided, however, regard to electrical utilities such construction shall include construction from the first attachment of incoming power source without regard to the property line or proximity to the building or the heavy engineering structure; and include construction, alteration, repair and demolition of heavy engineering work such as power generating plants, pump stations, natural gas compressing stations; covered reservoirs and covered sewage and water treatment facilities concrete linings for canals, ditches and channels; concrete dams; earth dams of one million (1,000,000) cubic yards or over; radio towers, ovens, furnaces, kilns, silos, shafts and tunnels (other than highway shafts and tunnels), hydro-electric projects; and well drilling, telephone and electrical transmission lines which are part of **GENERAL BUILDING AND HEAVY ENGINEERING PROJECTS**: mining appurtenances such as tripples, washeries and loading and discharging chutes, and specialized structures for testing, launching and recovering space and other rocket-type missiles.

Modification Number

0

Publication Date

06/13/2003

COUNTY(ies):

STATEWIDE

ASBE0066D 03/01/2002

Rates

Fringes

CURRY, HARDING, LEA, QUAY, ROOSEVELT, UNION COUNTIES

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

ASBESTOS WORKERS/INSULATORS

(Includes application of all
insulating materials, protective
coverings, coatings and finishings
to all ltypes of mechanical
systems and asbestos removal

17.05 4.96

ASBE0076B 01/01/2003

Rates

Fringes

STATEWIDE, EXCLUDING CURRY, HARDING, LEA, QUAY, ROOSEVELT &
UNION COUNTIES

ASBESTOS WORKERS/INSULATORS

(Includes application of all
insulating materials, pro-
tective coverings, coatings
and finishings to all types
of mechanical systems and
asbestos removal)

22.80 6.65

LOS ALAMOS COUNTY

24.58 6.65

BOIL0627A 04/01/2003

Rates

Fringes

STATEWIDE, EXCLUDING BERNALILLO, CIBOLA, MCKINLEY, RIO ARRIBA,
SANDOVAL AND SOCORRO COUNTIES

BOILERMAKERS

23.18 13.30

BRNM0001A 04/01/2002

Rates

Fringes

BRICKLAYERS; MARBLE MASONS;
STONEMASONS; TILE LAYERS
& TERRAZZO WORKERS:

DONA ANA COUNTY 17.20 3.39

GRANT, LUNE, OTERO & SIERRA COS. 19.70 3.39

HIDALGO COUNTY 21.70 3.39

BRNM0001B 04/01/2002

Rates

Fringes

BERNALILLO, CATRON, CIBOLA, CHAVES, COLFAX, CURRY, DEBACA,
GUADALUPE, HARDING, LINCOLN, LOS ALAMOS, MCKINLEY, MORA, RIO
ARRIBA, ROOSEVELT, QUAY, SANDOVAL, SAN JUAN, SAN MIGUEL, SANTA
FE, SOCORRO, TAOS, TORRENCE, UNION & VALENCIA COUNTIES

BRICKLAYERS-STONEMASONS 21.53 3.51

MARBLE MASONS, TILE LAYERS &
TERRAZZO WORKERS

18.35 3.51

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

CARP0092A 10/01/2002

	Rates	Fringes
CARPENTERS, LATHERS, & PILEDRIVERMEN	20.32	4.29
LIGHT COMMERCIAL CONSTRUCTION**	16.46	2.20
**SEE DEFINITION AT THE END OF TRUCK DRIVERS		

MILLWRIGHTS:

ZONE I	22.80	4.29
ZONE II	25.05	4.29

BASING POINTS FOR MILLWRIGHTS ONLY FROM ALBUQUERQUE CITY HALL

ZONE I	0 TO 15 ROAD MILES
ZONE II	15 TO 35 ROAD MILES

ELEC0583B 12/01/2002

	Rates	Fringes
ELECTRICIANS		
Zone I	18.00	4.25%+4.30
Zone II	19.25	4.25%+4.30
CABLE SPLICERS:		
Zone I	18.25	4.25%+4.30
Zone II	19.50	4.25%+4.30

Zone 1: The area within a 25 mile radius from the downtown Post Office in El Paso, TX. Ft Bliss and Biggs Field proper to be included in this free zone. The area within a 15 mile radius from the Post Office in Las Cruces, NM and within a 5 mile radius from the Post Office in Alamogordo, Deming and Lordsburg. The area 10 miles East and 10 miles West of Interstate 10 between El Paso, Texas and Las Cruces NM.

Zone 2: Dona Ana, Otero, Luna and Hidalgo Counties (except that area in Zone 1.

ELEC0611B 01/01/2003

	Rates	Fringes
COMMERCIAL LINE WORK (also applies to switching stations and substations adjacent to power plants):		

Bernalillo, Catron, Chaves, Cibola, Colfax, Curry, DeBaca, Grant, Guadalupe, Harding, Lincoln, Los Alamos (USE ZONE 3 RATES), McKinley, Mora, Quay, Rio Arriba, Roosevelt, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Torrance, Union, Valencia & White Sands Missile Range and that portion of Fort Bliss in New Mexico.

Lineman - Technicians:

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Zone I	23.55	3.5%+5.95
Zone II	25.67	3.5%+5.95
Zone III	27.08	3.5%+5.95
Zone IV	29.67	3.5%+5.95
Cable Splicers:		
Zone I	25.91	3.5%+5.95
Zone II	28.03	3.5%+5.95
Zone III	29.44	3.5%+5.95
Zone IV	32.03	3.5%+5.95
Equipment Op. (includes helicopter op.) and Equipment Mechanic (includes helicopter mechanic):		
Zone I	22.35	3.5%+5.95
Zone II	24.47	3.5%+5.95
Zone III	25.88	3.5%+5.95
Zone IV	28.47	3.5%+5.95
Powderman:		
Zone I	20.51	3.5%+5.95
Zone II	22.63	3.5%+5.95
Zone III	24.04	3.5%+5.95
Zone IV	26.63	3.5%+5.95
Groundman - Jackhammer Op.:		
Zone I	16.70	3.5%+5.95
Zone II	18.82	3.5%+5.95
Zone III	20.23	3.5%+5.95
Zone IV	22.82	3.5%+5.95

Zone 1		Basic Wage Rates
City		Miles From Main Post Office
*Albuquerque		25 miles
Santa Fe		10 miles
Las Vegas		8 miles
Farmington		6 miles
Raton		6 miles
Tucumcari		6 miles
Gallup		10 miles
Roswell		12 miles
Ruidoso		12 miles
Portales		12 miles
Carrizozo		12 miles
Clovis		12 miles
Belen		12 miles
Los Lunas		12 miles
Espanola		14 miles

*The eastern edge of the Albuquerque Zone extends no further than the western boundary of the Village of Tjieras.

Zone 2 extending up to twenty (20) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

Zone 3 extending up to thirty (30) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Zone 4 anything beyond thirty (30) miles from Zone 1, EXCEPT
ALBUQUERQUE.

ELEC0611C 12/01/2002		
	Rates	Fringes
ELECTRICIANS:		
Bernalillo, Santa Fe, Torrance, DeBaca, Guadalupe, Quay, San Miguel, Mora, Harding, Union, Colfax, Taos, Rio Arriba, Grant, Sandoval, Valencia, Socorro, Catron, McKinley, Sierra, San Juan, Chaves, Curry, Lincoln, Cibola & Roosevelt Counties		
Zone 1		
Electricians	23.55	7.20
Cable Splicers	25.91	7.20
Zone 2		
Electricians	25.67	7.20
Cable Splicers	28.03	7.20
Zone 3		
Electricians	27.08	7.20
Cable Splicers	29.44	7.20
Zone 4		
Electricians	29.67	7.20
Cable Splicers	32.03	7.20

Basic Wage Rates	
City	Miles From Main Post Office
Albuquerque	40 miles
Belen	12 miles
Carrizozo	12 miles
Clovis	12 miles
Espanola	14 miles
Farmington	6 miles
Gallup	10 miles
Las Vegas	8 miles
Los Lunas	12 miles
Portales	12 miles
Raton	6 miles
Roswell	12 miles
Ruidoso	12 miles
Santa Fe	10 miles
Tucumcari	6 miles

Zone 2 extending up to twenty (20) miles beyond Zone 1, EXCEPT
ALBUQUERQUE.

Zone 3 extending up to thirty (30) miles beyond Zone 1, EXCEPT
ALBUQUERQUE.

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Zone 4 anything beyond thirty (30) miles from Zone 1, EXCEPT ALBUQUERQUE.

FOR ESTABLISHING THE OUTLYING ZONES FROM THE ALBUQUERQUE FREE ZONE ONLY, ZONE 2 SHALL EXTEND UP TO TEN (10) MILES BEYOND ZONE 1, ZONE 3 SHALL EXTEND UP TO TWENTY (20) MILES BEYOND ZONE 1, AND ZONE 4 ANYTHING BEYOND TWENTY (20) MILES FROM ZONE 1.

ELEC0611D 12/01/2002

	Rates	Fringes
LOS ALAMOS CO.		
ELECTRICIANS	27.08	7.20
CABLE SPLICERS	29.44	7.20

ELEC0611E 12/01/2002

	Rates	Fringes
--	-------	---------

EDDY AND LEA COUNTIES:

ZONE A

ELECTRICIANS	22.00	7.20
CABLE SPLICERS	23.10	7.20

ZONE B

ELECTRICIANS	22.45	7.20
CABLE SPLICERS	23.55	7.20

ZONE C

ELECTRICIANS	22.60	7.20
CABLE SPLICERS	23.70	7.20

ZONE D

ELECTRICIANS	22.85	7.20
CABLE SPLICERS	23.95	7.20

ZONE A DISPATCH POINTS

Artesia - 12 miles
Carlsbad - 12 miles
Hobbs - 12 miles
Lovington - 12 miles

Zone A shall be designated from the Main Post Office of Artesia, Carlsbad, Hobbs and Lovington, New Mexico.

Zone B extending up to ten (10) miles beyond Zone A.

Zone C extending up to twenty eight (28) miles beyond Zone A.

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Zone D anything beyond twenty-eight (28) miles beyond Zone A.

ELEC0611I 01/01/2000

	Rates	Fringes
COMMERCIAL LINE WORK (also applies to switching stations adjacent to power plants):		
Eddy and Lea Counties:		
Lineman - Technicians:		
Zone I	19.00	3.75%+5.15
Zone II	19.45	3.75%+5.15
Zone III	19.60	3.75%+5.15
Zone IV	19.85	3.75%+5.15
Cable Splicers:		
Zone I	19.35	3.75%+5.15
Zone II	19.80	3.75%+5.15
Zone III	19.95	3.75%+5.15
Zone IV	20.20	3.75%+5.15
Equipment Op. and Mechanics (includes Helicopter Op. & Mechanic):		
Zone I	18.05	3.75%+5.15
Zone II	18.50	3.75%+5.15
Zone III	18.65	3.75%+5.15
Zone IV	18.90	3.75%+5.15
Powderman		
Zone I	16.53	3.75%+5.15
Zone II	16.98	3.75%+5.15
Zone III	17.13	3.75%+5.15
Zone IV	17.38	3.75%+5.15
Groundman - Jackhammer Op.:		
Zone I	13.49	3.75%+5.15
Zone II	13.94	3.75%+5.15
Zone III	14.09	3.75%+5.15
Zone IV	14.34	3.75%+5.15

FROM THE MAIN POST OFFICE OF ARTESIA,
CARLSBAD, HOBBS & LOVINGTON, NEW MEXICO

ZONE I - 0 to 12 miles
ZONE II - 12 miles to 22 miles
ZONE III - 22 miles to 40 miles

ZONE IV - 40 miles and beyond

ELEC0611Z 01/01/2000

	Rates	Fringes
COMMERCIAL LINE WORK (ALSO APPLIES TO SWITCHING STATIONS AND SUBSTATIONS ADJACENT TO POWER PLANTS):		
Dona Ana, Hidalgo, Luna and Otero Cos., exclusive of White Sands Missile Range and that portion of Fort Bliss in New Mexico		

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Linemen - Technicians		
Zone I	16.85	3.75%+3.30
Zone II	18.80	3.75%+3.30
Cable Splicers		
Zone I	17.19	3.75%+3.30
Zone II	19.18	3.75%+3.30
Equipment Op. (includes Helicopter Op.):		
Zone I	14.66	3.75%+3.30
Zone II	16.36	3.75%+3.30
Equipment Mechanic (includes Helicopter Mech.):		
Zone I	14.66	3.75%+3.30
Zone II	16.36	3.75%+3.30
Powderman:		
Zone I	14.15	3.75%+3.30
Zone II	15.79	3.75%+3.30
Groundman - Jackhammer Op.:		
Zone I	11.96	3.75%+3.30
Zone II	13.35	3.75%+3.30

ZONE I:

a. The area within a 25 mile radius from the Downtown Post Office in El Paso, Texas. Fort Bliss and Biggs Field Property to be included in this Free Zone. Fort Bliss and Biggs Field to be defined by official U.S. Government Map

b. The area within a five mile radius of any city, town, or municipality within which an employer establishes or maintains his permanent place of business.

c. The area within a fifteen mile radius from the Post Office in Las Cruces, New Mexico, and within a five mile radius from the Post Office in Alamogordo, Deming, and Lordsburg, New Mexico.

d. The area ten miles East and ten miles West of Interstate 10, between El Paso, Texas and Las Cruces, New Mexico.

ZONE II: All other areas of the jurisdiction except those specified in Zone I.

ELEV0131A 01/01/2003

	Rates	Fringes
ELEVATOR CONSTRUCTORS:		
MECHANIC	24.95	7.455+a

FOOTNOTE: a. Under 5 years service 6%; over 5 years service 8%.
 7-Paid Holidays New Years Day, Memorial Day, July
 4th, Labor Day, Thanksgiving Day, Friday after
 Thanksgiving Day, Christmas Day.

ENGI0953C 04/01/2002

	Rates	Fringes
--	-------	---------

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

POWER EQUIPMENT OPERATORS:

HEAVY CONSTRUCTION:

ZONE 1:

GROUP I	15.57	3.15
GROUP II	16.96	3.15
GROUP III	17.11	3.15
GROUP IV	17.32	3.15
GROUP V	17.38	3.15
GROUP VI	17.52	3.15
GROUP VII	17.64	3.15
GROUP VIII	19.08	3.15

ZONE 2:

GROUP I	18.07	3.15
GROUP II	19.46	3.15
GROUP III	19.61	3.15
GROUP IV	19.82	3.15
GROUP V	19.88	3.15
GROUP VI	20.02	3.15
GROUP VII	20.14	3.15
GROUP VIII	21.58	3.15

ZONE 3:

GROUP I	19.57	3.15
GROUP II	20.96	3.15
GROUP III	21.11	3.15
GROUP IV	21.32	3.15
GROUP V	21.38	3.15
GROUP VI	21.52	3.15
GROUP VII	21.64	3.15
GROUP VIII	23.08	3.15

SHAFT AND TUNNEL WORK - \$.15 per hour above regular rate.

HAZARDOUS PAY - The following pay shall be applicable for every hour an operating engineer is required by governmental regulations and does wear special equipment for hazardous work at the designated levels. This is applicable in all three zones

LEVEL C - 10% above regular hourly wage

LEVEL B - 10% above regular hourly wage

LEVEL A - 15% above regular hourly wage

ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (the Big "I") in Albuquerque.

ZONE I - Albuquerque - 0 to 50 mile radius from the Big "I" shall be a Free Zone

- Farmington - 0 to 15 mile radius of Farmington City Hall shall be a Free Zone

Zone II - Shall be \$2.50 per hour above base pay. Will apply

outside of above parameters up to 35 miles

Zone III - Shall be \$1.50 cents per hour above Zone II for a total of \$4.00 per hour and will apply after 35 miles of Zone I's parameters.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP I

Fireman, Oiler Screedman, Scale Operators, Rubber Tired farm type tractor, tractors under 50 hp w/o attachments, Breakman, Concrete Paving Curbing Machine (Bridge-Type).

GROUP II

Rollers, Sheepsfoot or Pneumatic Self-Propelled w/o Dozer, Concrete Conveyor, Service Truck operator, Air compressor (315 CFM & Over), Pumps (6" & Over), Screening plants, Concrete Mixers (Under 1 CY), Concrete Saw or grinder-span type, 1 Drum Hoist (tugger), Air Tugger, Elevating Belt Type Loaders, Forklift, Lumber Stacker, Tractor Farm Type (under 50 HP w/Attachments), Motorman and Industrial Locomotive op., Winch Truck, Front End Loaders (under 2 CY), Power Plants which Generate Over 15 KW., Welding Machines.

GROUP III

Bituminous Distributors, Boilers, Retort & Hot Oil Heaters Concrete Mixers, (1 CV & Over), Conc. Paver-Single Drum, Drilling Equip., Motor Grader (rough), Shaft and Tunnel Equipment: (Refrigeration, slusher, jumbo forms), Trenching Machines (all types), Pump crete and gunite machines, Slipform Paver, Mechanical Bullfloats, Concrete Slab Spreading Machine, Concrete Slab Finishing Machine, Space Heaters, Bituminous Finishing Machines, Water Carrier (all types), Concrete Cleaning Decontamination Machine Operator, Horizontal Directional Drill Locator.

GROUP IV

Front End Loaders (2 thru 10 CY), Rollers Steel Wheeled-All Types, Bulldozer, Scrapers (Motor or Towed), Elevating Graders Self-Propelled Rollers - Equipped W/Dozer, Twin-Bowl Scrapers and Quad 8 or 9 pushers (35 cents over basic rate), Three

bowl scrapers (60 cents over basic rate), Backhoes up to 3/4 yard bucket, Head Oiler (Service Truck Operator).

GROUP V

Hydraulic Cranes-With less than 50 feet of Boom (20 Tons and Under), Concrete Paver-Double Drum, Cat Cranes, Hysters, 2 Drum Hoist, Auto Fine Grade.

GROUP VI

Mucking Machines-All Types

GROUP VII

Steam Engineers, Loader (Front End Over 10 CV) Concrete Pump (Snorkel Type), Concrete batching plants and Asphalt plants,

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Crushing plants, Hot plants.

GROUP VIII

All Shovel Type Equipment, Cranes, Draglines, Backhoes over a 3/4 yard bucket, Derricks Guy and Stiff Leg, Pipe mobile (No 2 Operator), Piledriver, Hydraulic Cranes (20 Tons & Over), Mine Hoist, Belt Loader ("C.M.I." Type), Boom and Jibs 150 ft. Through 199 ft. - \$.50 per hour above base pay, 200 ft and over - \$1.00 per hour above base pay. Shovel (Wheel Type), Boring Machine (Tunnel or Shaft Mole), Pipe Mobile, Side and swing-boom cats, Motor grader (finish), Mechanic-Welder, Heavy Equipment Robotics Operator/Mechanic, Ultra High Pressure Waterjet Cutting Tool System Operator/Mechanic, Vacuum Blasting Machine Operator/Mechanic, Mater Environmental Maintenance Mechanic, Horizontal Directoral Drill Operator.

ENGI0953E 11/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
BUILDING CONSTRUCTION:		
GROUP I	16.14	3.50
GROUP II	17.71	3.50
GROUP III	17.83	3.50
GROUP IV	18.12	3.50
GROUP V	18.26	3.50
GROUP VI	18.40	3.50
GROUP VII	18.51	3.50
GROUP VIII	20.59	3.50

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP I

Fireman, Oiler, Screedman, Scale op. such as Bin-a-Batch, Rubber Tired Farm Type Tractor, Tractors under 50 hp w/o Attachments, Brakeman, Concrete Curing Machine(Bridge Type).

GROUP II

Rollers, Sheepsfoot or Pneumatic Self-Propelled w/o Dozer, Concrete Conveyor, Service Truck op. (Head Oiler), Air Compressor (600 CFM & Over), Pumps (6" & Over), Screening Plants, Concrete Mixers (Under 1 CY), Concrete Saw or

Grinder-Span Type, 1 Drum Hoists, Elevating Belt Type Loaders, Lumber Stacker, Tractor Farm Type (under 50 HP w/Attachments), Winch Trucks, Front End Loader (under 2 CY), Welding Machines, Cat Head Winch, Power Plants which generate over 15 KW, Oiler with CDL, Concrete Curbing Machine.

GROUP III

Bituminous Distributors, Boilers, Retort & Hot Oil Heaters Concrete Mixers, (1 CY & Over), Concrete Paver-Single Drum, Drilling Equip., Shaft and Tunnel Equipment: Refrigeration, Slusher, Jumbo forms, Trenching Machines (all Types), Pump Crete & Guniting Machines, Slipform Paver, Mechanical Bullfloats, Concrete Slab Spreading Machine, Concrete Slab Finishing Machine, Asphalt Plants, Bituminous Finishing

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Machines, Crushing Plants, Certified Forklift.

GROUP IV

Front End Loaders (2 thru 19 CY), Rollers Steel Wheeled-All Types, Bulldozer, Scrapers (Motor or Towed), Elevating Graders Concrete Batching Plants, Self-Propelled Rollers - Equipped W/Dozer, Twin-Bowl Scrapers and Quad 8 or 9 Pushers (\$.35 Over Basic Rate), Three Bowl Scrapers (\$.60 Over Basic Rate), Bobcat w/Hydraulic Backhoes with buckets up to one and one quarter cubic yards, Motor Grader (Rough), Small Articulating Trucks.

GROUP V

Concrete Paver, Double Drum, Two Drum Hoist, Auto Fine Grader Hysters, Forklift over 2,000 lbs. Lifting Capacity

GROUP VI

Mucking Machines-All Types, Tractor with Hydraulic Backhoe, Backhoes with Buckets up to one and one quarter cubic yards.

GROUP VII

Hydraulic Cranes with less than 50 feet of boom (20 tons and under), Steam Engineers, Loaders (Front end over 10 cubic yards), Concrete Pump (Snorkel Type), Heavy Equipment Low Boy Driver with CDL, Mining Machine, Roof Bolting Machine, Shuttle Car.

GROUP VIII

All Shovel Type Equipment, Side Boom Cats, Cranes, Draglines, Track or Excavator Backhoe, Backhoes with Buckets over one and one quarter cubic yards, Derricks, Guy and Stiff Leg, Pipemobile (No.2 Operator), Pile Driver, Hydraulic Cranes (20 ton and over), Mine Hoists, Belt Loader (C.M.I. type) Cranes and Draglines with Booms over 150 ft. through 199 feet \$.75 above base rate per hour additional; 200 feet and over \$1.00 above base rate per hour additional, Shovel (Wheel type), Boring Machine (Tunnel or Shaft Mode), Pipe Mobile, Motor Grader (Finish), Mechanic, Welder, Mobile Pipeline Inspection Camera, Operator/Rigger, Crane Inspector, Continuous Mining Machine, VAC Jet Rodder, Equipment Instructor.

IRON0263D 06/01/2002

	Rates	Fringes
CHAVES, CURRY, DONA DNA, EDDY, GRANT, HARDING, HIDALGO, LEA, LUNA, OTERO, QUAY, ROOSEVELT, SIERRA AND UNION COUNTIES		

IRONWORKERS:

Ornamental; Structural and reinforcing	18.79	4.35
----------------------------------------	-------	------

IRON0495A 06/01/2002

	Rates	Fringes
BERNALILLO, CATRON, CIBOLA, COLFAX, DeBACA, GUADALUPE, LINCOLN,		

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

LOS ALAMOS, TAOS, MCKINLEY, MORA, RIO ARRIBA, SAN JUAN, SAN MIGUEL, SANDOVAL, SANTA FE, SOCORRO, TORRANCE, VALENCIA COUNTIES

IRONWORKERS:

Ornamental; Structural and reinforcing	18.00	7.53
----------------------------------------	-------	------

LABO0016A 10/01/2002

	Rates	Fringes
LABORERS:		
BUILDING CONSTRUCTION:		
GROUP I	12.77	2.40
GROUP II	13.39	2.40
GROUP III	14.14	2.40
GROUP IV	15.99	2.40

LABORER CLASSIFICATIONS

GROUP I: Chainmen, Stakedrivers, Stake Hopper, Heater Tenders, Pick and Shovel Work, Window Cleaning and Clean up, Flagman, Landscaping and Planter, Fence Builder, Guardrail Builder, Unloading of Furniture and Fixtures, Shop Helper. (Chainman and Stakedrivers working solely for an engineering firm are not subject to this agreement.)

GROUP II: Carpenter Tenders, Concrete Workers, Concrete Buggy Operators, Industrial and Plant Laborers, Fire Watch, Swinging Scaffolds Tender, Fine Grader, Form Stripper, Gabian Basket Builders, Rip Rap Stoneman, Drywall, Stocking and Handling, Fly Ash Vacuum Operator, Man Hole Builder, Tool Room Person and Checker on Jobsite.

GROUP III: Electric Air and Gas Operated Power Tools, Asphalt Rakers, Chain Saw Operators, Oxy Gasoline Torch Operators, Cutting Torch Operators or Burner Person, Guniting Rebound Men, Fog Machine Operators, Power Buggy Operators, Rodmen, Sandblasters (potmen), Wagon Drill and Diamond Core Driller, Air Track, Drill Operator Hydraulic Core Drill Diamond, Tenders Outside with Pumps under 6", Concrete Burners, Cement Mason Tenders, Plasterers, Hodcarriers, Mortar Mixer, Plaster Spreader Operators, Plaster Tenders, Guniting Nozzlemen, Pipelayer,

Pumpcrete Nozzlemen, Powdermen Tender Demolition, Grade Checker, Vibrator Operator, Concrete Saw Operators, Stone Mason Tender, Jack Hammer and Chipping Hammer Operator, Green Cutter High Pressure Air and Water on Concrete Blaster, Pipelayer (includes but not limited to water pipe, sewer pipe, drainage pipe, pvc, and all underground tile, pipe), Cast Iron Concrete pipe, unloading, handling, distribution, and installation.

GROUP IV: Asbestos Abatement Laborer, Toxic and Hazardous Waste Removal Laborer, Lead Base Paint Removal Laborer, Laborer/Concrete Specialist, Pest Technician (Licensed by the Bureau of Rodent Management), State Licensed Powder man and, Blaster, Laborers AGC Certified Scaffold Builder Laborer, or Hydromobile Scaffold Builder, Radiation Worker II.

LABO0016C 04/01/2002

	Rates	Fringes
LABORERS:		
HEAVY CONSTRUCTION:		
ZONE 1:		
GROUP I	13.39	2.45
GROUP II	14.14	2.45
ZONE 2:		
GROUP I	15.89	2.45
GROUP II	16.64	2.45
ZONE 3:		
GROUP I	17.39	2.45
GROUP II	18.14	2.45

LABORER CLASSIFICATIONS

GROUP I: Construction and General Laborers, Carpenter Tenders, Concrete Workers, Stakedrivers, Concrete Buggy Operators, Hand Flagman.

GROUP II: Air and Power Tool Operators, Asphalt Rakers, Chain Saw Operators, Cutting Torch Operators, Demolition, Gunite Rebound Men, Rod and Chainmen, Grade Setters, Power Buggy Operators, Sand Blasters (pot men), Nozzleman, Wagon Core and Diamond Drillers Tenders, Outside Scalers, Fog Machine Operators, Air, Gas, Hydraulic Tool and Electrical Tool Operators, Barco Hammers Cutting Torches, Drill, Diamond and Core Drills, Electric Hammers, Jackhammers, Hydraulic Jacks, Tampers, Air Tampers, Concrete Processing Material, Form-Setters, Airport Runways, Operators of Concrete Saws on Pavement (other than gangsaws) Power Operated Concrete Buggies, Hot Asphalt Labor, Paving Breakers, Cofferdams, Boxtenders, Caissons 8' to 12', Jack-Hammer Operators in Caissons over 12', Labor Applicable to Pipe Coating or Wrapping, Pipe Wrappers, Plant and Yard, Relining Pipe, Hydroliner (a plastic may be used to waterproof), Pipelayer on Underground Bores, Sewer, Monitors, Jeep Holiday Detector Men, Pump Operators, Rakers, Vibrators, Hydro-Boom, Mixer Man, Gunnite Nozzlemen, Shortcrete Operator, Timberman, Timber and

Chain Saws, Sand Blasters, Licensed Powdermen, Powdermen and Blasters, Siphons, Signalmen, Grade Checker.

ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (The Big "I") in Albuquerque.

ZONE 1 - FREE ZONE - 0 to 50 miles

ZONE 2 - 50 to 85 miles from reference points. \$2.50 per hour above base wage.

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

ZONE 3 - over 85 miles from reference points. \$4.00 per hour above base wage.

Workmen employed on work forty (40) or more feet above the ground or above a solid floor, deck, or flat roof shall receive premium pay as follows:

40 to 80 feet - \$0.25 per hour

80 to 120 feet - \$0.50 per hour

120 to 160 feet - \$0.75 per hour

above 160 feet - \$1.00 per hour

SHAFTS, RAISES, MISSILE SILOS, AND ALL OTHER UNDERGROUND WORK
(EXCLUDING REPROCESSING PIPE UNDERGROUND):

ZONE 1:		
GROUP I	15.40	2.45
GROUP II	15.67	2.45
GROUP III	15.82	2.45
Shifter	16.05	2.45
ZONE 2:		
GROUP I	17.90	2.45
GROUP II	18.17	2.45
GROUP III	18.32	2.45
Shifter	18.55	2.45
ZONE 3:		
GROUP I	19.40	2.45
GROUP II	19.67	2.45
GROUP III	19.82	2.45
Shifter	20.05	2.45

LABORER CLASSIFICATIONS

GROUP I: Tunnel Workers: Laborers and Hand Muckers Top Landers, Groutmen, Nippers, Trackmen.

GROUP II: Chuck Tenders.

GROUP III: Shaft Workers, Air Tugger Operators, Concrete Workers (including all cement chipping and finishing underground), Drillers, Form Setters and Handlers, Hand Muckers, Miners, Powdermen, Steel Setters, Tunnel Liners, Plate Setters, Reinforcing Steel Setters, all Cutting and Welding incidental to Miners' work, Powdermen and Blasters, Timbermen.

LABO0016D 10/01/2002

	Rates	Fringes
LABORERS:		

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

HEAVY CONSTRUCTION:

ZONE 1:		
GROUP I	15.65	2.45
GROUP II	15.90	2.45
GROUP III	16.05	2.45
GROUP IV	15.99	2.45
ZONE 2:		
GROUP I	18.15	2.45
GROUP II	18.40	2.45
GROUP III	18.55	2.45
GROUP IV	18.49	2.45
ZONE 3:		
GROUP I	19.65	2.45
GROUP II	19.90	2.45
GROUP III	20.05	2.45
GROUP IV	19.99	2.45

ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (The Big "I") in Albuquerque.

Free Zone - 0 to 50 miles.

Zone 2 - 50 to 85 miles from above reference points. \$2.50 per hour above base wage.

Zone 3 - over 85 miles from above reference points. \$4.00 per hour above base wage.

Workmen employed on work forty (40) or more feet above the ground or above a solid floor, deck, or flat roof shall receive premium pay as follows:

40 to 80 feet - \$0.25 per hour

80 to 120 feet - \$0.50 per hour

120 to 160 feet - \$0.75 per hour

above 160 feet - \$1.00 per hour

LABORER CLASSIFICATIONS

GROUP I: Wagon Core, Diamond Drillers

GROUP II: Concrete Burner, Hodcarriers, Mortar Mixers, Plaster Spreader Operators, Plaster Tenders, Guniting Nozzlemen, Pipelayers Pumpcrete Nozzlemen.

GROUP III: Powdermen and Blasters.

GROUP IV: Includes but is not limited to the following specialty categories of Construction Specialists: Asbestos Abatement

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Laborers, Toxic and Hazardous Waste Removal Laborers, Lead
 Base Paint Removal Laborers, Laborer/Concrete Specialist, Pest
 Technician (Licensed by the Bureau of Rodent Management), State
 Licensed Powderman and Blaster, Laborers-AGC Certified Rigger and
 Signal Man, Laborers-AGC Certified Scaffold Builder Laborer, or
 Hydromobile Scaffold Builder, Radiation Worker II.

PAIN0823A 4/01/2002	Rates	Fringes
PAINTERS:		
Mines, mills, Power plants, energy plants, refineries, coal gassifica- tion plants, nuclear related facili- ties & all steel work incidental thereto including stacks of all descriptions: Brush, roller, pot tender, sand- blaster, grinder operator:		
New Work:		
Zone I	16.05	4.58
Zone II	17.05	4.58
Zone III	18.55	4.58
Repaint/remodel:		
Zone I	13.64	4.58
Zone II	14.64	4.58
Zone III	16.14	4.58
Spray; Preparation for and application of epoxy & special coatings; Hand Finisher/Machine Texture:		
New Work:		
Zone I	16.55	4.58
Zone II	17.55	4.58
Zone III	19.05	4.58
Repaint/remodel:		
Zone I	14.57	4.58
Zone II	15.57	4.58
Zone III	17.07	4.58
Hand texture		
New Work:		
Zone I	18.85	4.58
Zone II	19.85	4.58
Zone III	21.98	4.58
Repaint/remodel:		
Zone I	14.60	4.58
Zone II	15.60	4.58
Zone III	17.73	4.58
Paperhangers:		
New Work:		
Zone I	17.05	4.58
Zone II	18.05	4.58
Zone III	19.55	4.58
Repaint/remodel:		
Zone I	14.49	4.58
Zone II	15.49	4.58

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Zone III	16.99	4.58
Drywall finisher; Ames		
Tool operator:		
New Work:		
Zone I	19.60	4.58
Zone II	20.60	4.58
Zone III	23.73	4.58
Repaint/remodel:		
Zone I	15.35	4.58
Zone II	16.35	4.58
Zone III	18.48	4.58

HIGH PAY: High pay shall apply to any free fall area exceeding 30 feet from the ground level. The hourly wage rate shall be increased \$.50 per hour from the 30 foot level up. The determining factor in high pay shall be a stationary floor, landing or grate, excluding elevated tank walkways.

PAINTERS ZONE DEFINITIONS

Free Zone: An area within a 30 mile radius of the main post office in the city or town where an employee permanently resides at the time of hire shall be considered Zone 1. All jobs beyond the 30 mile radius shall be covered by the zone schedule below:

ZONE I - BASE PAY UP TO 30 MILES
 ZONE II - EXTENDING 30 MILES TO 75 MILES BEYOND ZONE I
 ZONE III - EXTENDING 75 MILES AND BEYOND

Albuquerque, Santa Fe and Belen shall be considered in Zone 1.

PAIN0823B 04/01/2003		
	Rates	Fringes
GLAZIERS	20.15	4.11

PAIN0823C 04/01/2003		
	Rates	Fringes
SOFT FLOOR LAYERS:		
ZONE I	17.48	4.58
ZONE II	18.48	4.58
ZONE III	19.98	4.58

SOFT FLOOR LAYERS ZONE DEFINITIONS

Free Zone: An area within a 30 mile radius of the main post office in the city or town where an employee permanently resides at the time of hire shall be considered Zone 1. All jobs beyond the 30 mile radius shall be covered by the zone schedule below:

ZONE I -- Up to 30 miles
 ZONE II -- 30 to 75 miles
 ZONE III - 75 miles and beyond

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Albuquerque, Santa Fe and Belen shall be considered Zone 1.

PAIN0823D 04/01/2002	Rates	Fringes
PAINTERS:		
All Other Work: Commercial:		
Brush, roller, spray and special coatings:		
Zone I	14.24	3.58
Zone II	15.24	3.58
Zone III	16.74	3.58
Sand blasters; striping machine operators:		
Zone I	15.69	3.58
Zone II	16.69	3.58
Zone III	18.19	3.58
Sign painters:		
Zone I	16.04	3.58
Zone II	17.04	3.58
Zone III	18.54	3.58
Paper hangers:		
Zone I	16.19	3.58
Zone II	17.19	3.58
Zone III	18.69	3.58
Tenant Improvement*:		
Hand texture:		
Zone I	14.60	4.08
Zone II	15.60	4.08
Zone III	17.73	4.08
Paper hangers:		
Zone I	16.19	4.08
Zone II	17.19	4.08
Zone III	18.69	4.08
Drywall finishers:		
Zone I	14.60	4.08
Zone II	15.60	4.08
Zone III	17.73	4.08
Ames Tool operators:		
Zone I	18.85	4.08
Zone II	19.85	4.08
Zone III	21.98	4.08

*Tenant improvement shall be considered the following types of work: repaint, remodel, alterations and additions to an existing building, the painting and repair of hotels, motels and apartment buildings five stories and over, new and repair.

HIGH PAY: High pay shall apply to any free fall area exceeding 30 feet from the ground level. The hourly wage rate shall be increased \$.50 per hour from the 30 foot level up. The determining factor in high pay shall be a stationary floor, landing or grate, excluding elevated tank walkways.

PAINTERS ZONE DEFINITIONS

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

Free Zone: An area within a 30 mile radius of the main post office of the city or town where an employee permanently resides at the time of hire shall be considered Zone 1. All jobs beyond the 30 mile radius shall be covered by the zone schedule below:

ZONE I - BASE PAY UP TO 30 MILES
 ZONE II - EXTENDING 30 MILES TO 75 MILES BEYOND ZONE I
 ZONE III - EXTENDING 75 MILES AND BEYOND

Albuquerque, Santa Fe and Belen shall be considered in Zone 1.

PLAS0254A 10/01/2002		
	Rates	Fringes
CEMENT MASONS	17.35	4.52

PLAS0254B 07/01/2002		
	Rates	Fringes
PLASTERERS	17.50	4.42

PLUM0412A 04/01/2003		
	Rates	Fringes
REMAINING COUNTIES		
PLUMBERS & PIPEFITTERS	24.83	6.10
LOS ALAMOS, SOUTH MESA, MCGREGOR RANGE, WHITE SANDS MISSILE RANGE AND/OR PROVING GROUNDS		
PLUMBERS & PIPEFITTERS	25.63	6.10
LIGHT COMMERCIAL :		
All irrigation & lawn sprinkler	15.96	4.20

ROOF0174A 10/01/1994		
	Rates	Fringes
ROOFERS	13.30	1.99

SHEE0049A 04/01/2003		
	Rates	Fringes
REMAINING COUNTIES		
SHEET METAL WORKERS	23.65	8.14

SHEE0049B 04/01/2003		
	Rates	Fringes
LOS ALAMOS COUNTY		

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

SHEET METAL WORKERS	25.55	8.20

SUNM1002A 08/11/1993		
	Rates	Fringes
SPRINKLER FITTERS:		
Bernalillo, Los Alamos & Santa Fe, Counties	15.55	
Otero County	17.45	3.75
Remaining Cos. (Except Dona Ana)	16.06	2.95

TEAM0492A 06/01/1993		
	Rates	Fringes
TRUCK DRIVERS:		
BUILDING CONSTRUCTION:		
Zone I:		
GROUP I	9.83	1.89
GROUP II	10.10	1.89
GROUP III	10.18	1.89
GROUP IV	10.30	1.89
GROUP V	10.35	1.89
GROUP VI	10.45	1.89
GROUP VII	10.55	1.89
GROUP VIII	10.69	1.89
GROUP IX	10.84	1.89
Zone II		
GROUP I	11.58	1.89
GROUP II	11.85	1.89
GROUP III	11.93	1.89
GROUP IV	12.05	1.89
GROUP V	12.10	1.89
GROUP VI	12.20	1.89
GROUP VII	12.30	1.89
Group VIII	12.44	1.89
Group IX	12.59	1.89
Zone III:		
GROUP I	12.08	1.89
GROUP II	12.35	1.89
GROUP III	12.43	1.89
GROUP IV	12.55	1.89
GROUP V	12.60	1.89
GROUP VI	12.70	1.89
GROUP VII	12.80	1.89
GROUP VIII	12.94	1.89
GROUP IX	13.09	1.89
BUILDING CONSTRUCTION:		
Light Commercial Construction:		
Zone I:		
GROUP I	7.86	1.89
GROUP II	8.08	1.89
GROUP III	8.14	1.89
GROUP IV	8.24	1.89
GROUP V	8.28	1.89
GROUP VI	8.36	1.89
GROUP VII	8.44	1.89

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

GROUP VIII	8.55	1.89
GROUP IX	8.67	1.89
Zone II:		
GROUP I	9.26	1.89
GROUP II	9.48	1.89
GROUP III	9.54	1.89
GROUP IV	9.64	1.89
GROUP V	9.68	1.89
GROUP VI	9.76	1.89
GROUP VII	9.84	1.89
Group VIII	9.95	1.89
Group IX	10.07	1.89
Zone III:		
GROUP I	9.66	1.89
GROUP II	9.88	1.89
GROUP III	9.94	1.89
GROUP IV	10.04	1.89
GROUP V	10.08	1.89
GROUP VI	10.16	1.89
GROUP VII	10.24	1.89
GROUP VIII	10.35	1.89
GROUP IX	10.47	1.89
HEAVY CONSTRUCTION:		
Zone I:		
GROUP I	10.08	1.79
GROUP II	10.35	1.79
GROUP III	10.43	1.79
GROUP IV	10.55	1.79
GROUP V	10.60	1.79
GROUP VI	10.70	1.79
GROUP VII	10.80	1.79
GROUP VIII	10.94	1.79
GROUP IX	11.09	1.79
Zone II:		
GROUP I	11.58	1.79
GROUP II	11.85	1.79
GROUP III	11.93	1.79
GROUP IV	12.05	1.79
GROUP V	12.10	1.79
GROUP VI	12.20	1.79
GROUP VII	12.30	1.79
GROUP VIII	12.44	1.79
GROUP IX	12.59	1.79
Zone III:		
GROUP I	11.83	1.79
GROUP II	12.10	1.79
GROUP III	12.18	1.79
GROUP IV	12.30	1.79
GROUP V	12.35	1.79
GROUP VI	12.45	1.79
GROUP VII	12.55	1.79
GROUP VIII	12.69	1.79
GROUP IX	12.84	1.79

TRUCK DRIVER (BUILDING & HEAVY CONSTRUCTION) CLASSIFICATIONS

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

GROUP I:

Pickup 3/4 Ton and Under, Lubrication, Light Tire Repair and Washer, Swamper, 2 or 4 and up.

GROUP II:

Dump or Batch Truck Under 8 C.Y.W.L.: Flat Bed (bobtail) 2 Ton and Under, Warehouseman including Material Check, Fork Lift Under 5 Ton MRC.

GROUP III:

Dump Trucks (Including All Highway and Off Highway) 8 up to 16 C.Y.W.L.C.; Water, Fuel or Oil Trucks Less Than 3,000 gal. Flat Bed (bobtail) Over 2 Tons.

GROUP IV:

Distributor Driver, Heavy Tire Repair, Lumber Carrier Driver, Young Buggy or Similar Equipment, Transit Mix or Agitator 2 or 3 Axle Bobtail Equipment, Scissor Truck, Bulk Cement Bobtail 2 or 3 Axle, Semi-Trailer Flat Bed or Van Single Axle Forklift 5 Ton and over M.R.C.

GROUP V:

Dumpsters and Dumpcrete Driver; Water, Fuel or Oil Trucks 3,000 to 6,000 Gallons; Lowboys and Light Equipment Driver; Euclid Type Tank Wagon Under 6,000 Gallons.

GROUP VI:

Vacuum Truck; Dump Trucks (including all highway and off-highway 16 up to 22 C.Y.W.L.C.

GROUP VII:

Transit Mix or Agitator Semi or 4 Axle Equipment Driver; Flaherty Truck Type Spreader Box Driver; Slurry Truck Driver Bulk Cement Driver; Semi-Doubles; 5 Axle Bobtail; Winch Truck

and "A" Frame; Dump Truck (including all Highway and Off-Highway) 22 CY up to 35 C.Y.W.L.C.

GROUP VIII:

Euclid Diesel Power Turnarocker; Terra Coba-DW20-Tourneau Pulls and Similar Diesel Powered Equipment when used to haul Materials and Assigned to a Teamster-Lowboy Heavy Equipment Driver; Water, Fuel and Oil Trucks 6,000 Gallons and Over Including Tank Wagon Drivers, Semi-Trailer Driver (Flat-Bed or Van Tandems); Light Equipment Mechanic; Dump Trucks (Including All Highway and Off-Highway) 35 C.Y.W.L.C. and Over; Truck and Trailer or Semi-Trailer (Flatbed); eject all.

GROUP IX:

Lowboy (Heavy Equipment Double Gooseneck); Heavy Equipment Mechanic; Welder (Body and Fender Men).

TRUCK DRIVERS ZONE PAY BASING POINTS AND DEFINITIONS LISTED BELOW FOR BUILDING AND HEAVY CONSTRUCTION - BASING POINTS ARE AS FOLLOWS:

ALAMOGORDO, ALBUQUERQUE, ARTESIA, BAYARD, BELEN, CARLSBAD,

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

CLOVIS, DEMING, ESPANOLA, EUNICE, FARMINGTON, GALLUP, GRANTS, HOBBS, LAS CRUCES, LAS VEGAS, LORDSBURG, LOVINGTON, PORTALES, RATON, ROSWELL, RUIDOSO, SANTA FE, SANTA ROSE, SILVER CITY, SOCORRO, TAOS, TUCUMCARI

ZONE I

Projects within 15 miles from the starting points above

ZONE II

Projects 15 or more road miles but less than 35 miles from above, includes all of Los Alamos County

ZONE III

Projects more than 35 road miles, or more from above.

FOOTNOTE:

**LIGHT COMMERCIAL DEFINITION

Construction, erection, alteration, repair, modification, addition to or improvement in whole or in part of structures for which the major support system is wood frame construction and will also include all apartments over 4 stories, all convenience stores, fast food restaurants, automobile service stations & motels up to 2 stories high.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-03-B-0008

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

(AM-0001)

**SECTION 00800
SPECIAL CONTRACT REQUIREMENTS**

PHYSICAL DATA (APR 1984) (FAR 52.236-4)

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

a. The physical conditions indicated on the drawings and in the specifications are the result of site investigations by surveys [and borings].

b. Ground water levels

It has been observed that ground water levels in heavily timbered or grassed areas quite often undergo a significant temporary rise when the area is cleared and/or stripped. This increase in water level can hinder traffic and construction progress in the affected areas. The duration of the ground water rise varies considerably, depending on prevailing weather and/or climatic conditions. Ref: Yearbook of Agriculture, 1957, copy available for inspection in Fort Worth District Office.

REQUIRED INSURANCE

Pursuant to FAR 28.307-2, the Contractor shall procure and maintain during the entire period of his performance under this contract the following minimum insurance:

a. Workers' compensation and employers' liability insurance in compliance with applicable state statutes, with a minimum employers' liability coverage of \$100,000.

b. Comprehensive general liability insurance for bodily injury in the minimum limits of \$500,000 per occurrence. No property damage liability insurance is required.

c. Comprehensive automobile liability insurance covering the operation of all automobiles used in connection with the performance of the contract in the minimum limits of \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. (See Contract Clause entitled Insurance--Work on a Government Installation)

HAZARDOUS MATERIALS ABATEMENT INSURANCE

a. If hazardous materials (e.g. asbestos, lead-based paint, polychlorinated biphenyl (pcb) compounds) abatement/removal or any other work with hazardous materials is required under this contract and Comprehensive General Liability Insurance is required, the policy of insurance which covers the hazardous materials abatement/removal or other work with asbestos shall be a "per occurrence" policy as that term used in the insurance industry. A policy issued on a "claims made" basis or any other "short tail" basis will not be accepted.

b. The Comprehensive General Liability per occurrence policy shall be obtained by the prime Contractor if the hazardous materials abatement work is performed by the prime Contractor's own work force, or by an hazardous materials abatement subcontractor(s), if the hazardous materials abatement work is subcontracted. The Contractor shall insert in the subcontract a requirement for the hazardous materials abatement subcontractor(s) to provide and maintain the insurance required by this paragraph. The Contractor shall maintain a copy of the subcontractor's proof of required insurance, and shall make such copy available to the Contracting Officer upon request.

CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS

a. The Government will provide the Contractor, without charge, one set of contract drawings and one set of specifications in electronic format on a compact disk. It is the Contractor's responsibility to reproduce a set of contract drawings from this compact disk. The Government will not give the contractor any hard copy paper drawings or specifications for any contract resulting from this solicitation.

b. The Contractor shall--

1. Check all drawings furnished immediately upon receipt;
2. Compare all drawings and verify the figures before laying out the work;
3. Promptly notify the Contracting Officer of any discrepancies; and
4. Be responsible for any errors that might have been avoided by complying with this paragraph (b).

c. Large-scale drawings shall, in general, govern small-scale drawings. Figures marked on drawings shall, in general, be followed in preference to scale measurements.

d. Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work, but shall be performed as if fully and correctly set forth and described in the drawings and specifications.

e. The work shall conform to the specifications and the contract drawings identified as: **(AM-0001)** Upgrade Water Systems, Fort Bliss, Texas **(AM-0001)**. The list of drawings and maps set out in the index on the drawings is hereby incorporated by reference into these specifications. Schedules included in the drawings are for the purpose of defining requirements other than quantities.

SALVAGE MATERIALS AND EQUIPMENT

The Contractor shall maintain adequate property control records for all materials or equipment specified to be salvaged. These records may be in accordance with the Contractor's system of property control, if approved by the property administrator. The Contractor shall be responsible for the adequate storage and protection of all salvaged materials and equipment and shall replace, at no cost to the Government, all salvage materials and equipment which are broken or damaged during salvage operations as the result of his negligence, or while in his care.

YEAR 2000 COMPLIANCE

In accordance with FAR 39.106, the Contractor shall ensure that with respect to any design, construction, goods, or services under this contract as well as any subsequent task/delivery orders issued under this contract (if applicable), all information technology contained therein shall be Year 2000 compliant. Specifically the Contractor shall:

a. Perform, maintain, and provide an inventory of all major components to include structures, equipment, items, parts, and furnishings under this contract and each task/delivery order that may be affected by the Y2K compliance requirement.

b. Indicate whether each component is currently Year 2000 compliant or requires an upgrade for compliance prior to government acceptance.

REQUIRED INVENTORY OF INFORMATION TECHNOLOGY

In accordance with SCR-6, "Year 2000 Compliance", the inventory of all information technology, including embedded systems (i.e., microprocessor-based equipment) furnished under this contract which may be affected by the Year 2000 compliance requirement shall contain the following information:

- a. Contract number, project title, name of contractor
 - b. Equipment name/label
 - c. Indication on whether the information technology is currently Year 2000 compliant or requires an upgrade for compliance prior to government acceptance
 - e. Manufacturer's model/serial number and date manufactured
 - f. Specific location of equipment, i.e., building/room number
 - g. If equipment is a controller only, indicate what other equipment is controlled by this controller
 - h. Interoperability: identify any other equipment that is sending/receiving information to monitor or control said equipment
 - i. If a PC, including laptop, is required to program, update data, etc., of said equipment, provide PC specifications, operating software name and version number
 - j. Method used to determine Y2K compliance, i.e., field test, manufacturer's Statement of Compliance, etc.
- See Appendix A at Section 00800 for a list of examples of embedded systems.

CORRESPONDENCE IDENTIFICATION

a. The Contractor shall use a serial numbering system on all formal correspondence sent to the Contracting Officer or his representative. The Contractor will provide one original and two duplicate copies of all correspondence.

b. The Contractor may use a Request for Information (RFI) system for drawing/specification clarifications, subject to the following conditions:

1. The Contractor shall use a sequential numbering system for all RFI's separate and apart from the correspondence numbering system.
2. The Contractor shall provide one original and two copies of all RFI's.
3. The Contractor shall designate ONE individual responsible person, subject to approval by the Contracting Officer, for reviewing and issuing RFI's.
4. For projects requiring Network Analysis Systems (NAS), all RFI's shall identify the NAS activities directly or indirectly affected by the RFI on the progress schedule. The Contractor should anticipate a minimum of 10 calendar days for Government review and response.
5. No requests for deviations or variations from the contract by RFI will be allowed. Deviations/variations are to be submitted on ENG Form 4025 as described in Section 01330 Submittal Procedures.
6. The use of RFI's does not relieve the Contractor of the responsibility for reviewing the contract documents and coordinating the work to be performed. If the Contracting Officer determines that the RFI system is being used for other than its intended purpose, the Contracting Officer has the authority to discontinue the use of the RFI's for the remainder of the contract.

EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

Whenever a contract or modification of contract price is negotiated, the Contractor's cost proposals for equipment ownership and operating expenses shall be determined in accordance with the requirements of EFARS 52.213-5000, EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE. Interested parties may purchase copies of EP 1110-1-8 (Volumes 1 through 12) by phoning (202) 783-3238, or by writing "Superintendent of Documents U.S. Government Printing Office, Washington, D.C. 20402." Major credit cards are accepted. An electronic copy of this publication may be found the US Army Corps of Engineers Publication web site at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm>.

VALUE ENGINEERING CONTRACTOR PROPOSAL - VECP (AUG 86)

- a. Reference the Contract Clause "VALUE ENGINEERING - CONSTRUCTION."
- b. After receipt of an approved VECP modification signed by the Contracting Officer, the Contractor may include its share of the Instant Contract Savings as part of the next scheduled Progress Payment estimate.
- c. Payment of the Contractor's share of the Instant Contract Savings may be withheld at the discretion of the Contracting Officer, until a revised NAS or BAR CHART for the affected activity has been submitted and approved.

U.S. ARMY CORPS OF ENGINEERS SAFETY AND HEALTH REQUIREMENTS MANUAL, EM 385-I-I

Reference Federal Acquisition Regulation (FAR) Clause 52.236-13, Accident Prevention. Engineer Manual (EM) 385-I-I and its changes are no longer available as part of this solicitation/contract but rather is available at <http://www.hq.usace.army.mil> (select Safety and Occupational Health). Consequently, the Contractor shall be responsible for complying with the current edition and all changes posted on the web as of the effective date of this solicitation.

ACCESS TO AUTOMATED INFORMATION SYSTEMS (AIS)

All Contractor employees (U.S. citizens and Non- U.S. citizens) working under this contract (to include grants, cooperative agreements and task orders) who require access to Automated Information Systems (AIS), (stand alone computers, network computers/systems, e-mail) shall, at a minimum, be designated into an ADP-III position (non-sensitive) in accordance with DoD 5220-22-R, Industrial Security Regulation. The investigative requirements for an ADP-III position are a favorable National Agency Check (NAC), SF-85P, Public Trust Position. The contractor shall have each applicable employee complete a SF-85P and submit to the Fort Worth District Security Officer within three (3) working days after award of any contract or task order, and shall be submitted prior to the individual being permitted access to an AIS. Contractors that have a commercial or government entity (CAGE) Code and Facility Security Clearance through the Defense Security Service shall process the NACs and forward visit requests/results of NAC to the Fort Worth District Security Officer. For those contractors that do not have a CAGE Code or Facility Security Clearance, the Fort Worth District Security Office will process the investigation in coordination with the Contractor and contract employees.

In accordance with Engineering Regulation, ER 380-1-18, Section 4, foreign nationals who work on Corps of Engineers' contracts or task orders shall be approved by the HQUSACE Foreign Disclosure Officer or higher before beginning work on the contract/task order. This regulation includes subcontractor employees. (NOTE: exceptions to the above requirement include foreign nationals who perform janitorial and/or ground maintenance services.) The contractor shall submit to the Division/District Contract Office, the names of all foreign nationals proposed for performance under this contract/task order, along with documentation to verify that he/she was legally admitted into the United States and has authority to work and/or go to school in the US. Such documentation may include a US passport, Certificate of US citizenship (INS Form N-560 or N-561), Certificate of Naturalization (INS Form N-550 or N-570), foreign passport with I-551 stamp or attached INS Form I-94 indicating employment authorization, Alien Registration Receipt Card with photograph (INS Form I- 151 or I-551), Temporary Resident Card (INS Form I-688), Employment Authorization Card (INS Form I-688A), Reentry Permit (INS Form I-327), Refugee Travel Document (INS Form I-571), Employment Authorization Document issued by the INS which contains a photograph (INS Form I-688B).

Classified contracts require the issuance of a DD Form 254 (Department of Defense Contract Security Classification Specification).

SEE OF SECTION 00800

SECTION 01000
CONSTRUCTION SCHEDULE
6/2003
Amendment 0001

PART 1 GENERAL

1.1 SCHEDULE

Commence, prosecute, and complete the work under this contract in accordance with the following schedule and Section 00700 CONTRACT CLAUSES COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK and LIQUIDATED DAMAGES:

Item of Work	Commencement of Work (calendar days)	Completion of Work (calendar days)	Liquidated Damages per calendar day
<u>(1) All work except those listed below and establishment of turf (Am#1)</u>	Within 10 days after receipt of Notice to Proceed	<u>720</u>	<u>\$ 550.00</u>
<u>(2) Area B (Am#1)</u>	<u>No earlier than 15 September 2004</u>	<u>240*</u>	<u>\$ 7,325.00</u>
<u>(3) Area M, Option 6 (Am#1)</u>	<u>No earlier than 15 September 2004</u>	<u>180*</u>	<u>\$ 7,100.00</u>

* Days after start of work. (Am#1)

* In no case shall work be completed later than 15 May 2005. (Am#1)

NOTE: The Notice to Proceed for the Base Bid and any Option may be delayed up to 60 calendar days after award of Contract. (Am#1)

1.1.1 Pre-Bid Site Visits:

The bidder's attention is directed to Section 00700. and the clause entitled **52.236-3 SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (APR 1984)**. The contract drawings are not intended to show all existing conditions at the site that may affect the cost or time required for completion of the work, including but not limited to: drainage channels, fences, temporary structures, paved surface areas, sidewalks, utility poles and appurtenances, traffic signs, etc. All bidder's are strongly encouraged to visit the site of the work and acquaint themselves with all such conditions prior to bidding. Site visits may be arranged, on Tuesdays only, by contacting the local Corps of Engineer's office that will administer the contract (Ph: 915-568-7787; Point of Contact = Shahzada or Jim Murez).

1.2 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER (OCT 1989)
(ER 415-1-15)(52.0001-4038 1/96)

a. This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the contract clause entitled "Default: (Fixed Price Construction)." In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

(1) The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.

(2) The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of

the contractor.

b. The following schedule of monthly anticipated adverse weather delays due to precipitation and temperature is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations. The contractor's progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities. Wind is not considered in the Monthly Anticipated Adverse Weather Calendar Day Schedule.

MONTHLY ANTICIPATED ADVERSE WEATHER DELAY
WORK DAYS BASED ON (5) DAY WORK WEEK

EL PASO, TX AREA (FORT BLISS AND TEXAS AREA 80 MILES TO EAST)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	1	1	2	1	3	3	2	1	1	2

c. Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract, the contractor will record on the daily CQC report, the occurrence of adverse weather and resultant impact to normally scheduled work. Actual adverse weather delay days must prevent work on critical activities for 50 percent or more of the contractor's scheduled work day.

The number of actual adverse weather delay days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day of each month, and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of days anticipated in paragraph "b", above, the Contracting Officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair weather work days, and issue a modification in accordance with the contract clause entitled "Default (Fixed Price Construction)."

1.3 CONSTRUCTION PHASING AND WORK PLAN

1.3.1 CONSTRUCTION AREA DESIGNATIONS

The Construction Area designations shall be as follows:

AREA 'A': Water Line Improvements
AREA 'B': Building 1318 Reservoir Demolition and Replacement
AREA 'C': Building 11172 & 11173 Reservoir Demolition and Replacement
AREA 'D': Building 4317 Reservoir Demolition and Replacement
AREA 'E': Hueco Well Tank Painting / Engine Replacement
AREA 'F': Building 3695 Pump and Engine Drive Replacements and Manifold Improvements
AREA 'G': Electrical SCADA and Instrumentation
AREA 'H': Option 1 - Building 4318 Pump Replacement
AREA 'I': Option 2 - McGregor Range Camp Water Line Improvements
AREA 'J': Option 3 - Dona Ana Range Camp Water Storage and Water Line Improvements
AREA 'K': Option 4 - Oro Grande Range Camp Water Storage and Water Line Improvements
AREA 'L': Option 5 - Pump Capacity, Tobin Well Building 3695
AREA 'M': Option 6 - Pump Capacity, Main Cantonment Building 1318
AREA 'N': Option 7 - Dead-End Water Main Looping

1.3.2 Construction Phasing Requirements

The construction work may start in any one or multiple of the above designated construction areas A through N except that construction for Area L can not be concurrent with construction for building 1318 (consisting of Area B and Area M construction). Area L (if awarded) must be completed and accepted before starting work for Area B or Area M (if awarded). Conversely, construction for Area B and Area M (if awarded) must be completed and accepted prior to starting work for Area L (if awarded). (Am#1) However, within Area A the following construction phasing shall be followed sequentially for construction of the water lines (removal and replacement of lines):

AREA A - Main Line Improvements

Phase A-1: (Main Cantonment) Water line replacement starting at Hinman Road along Chaffee Road west to Custer Road, thence north to Pike Road, thence east to Marshall Road, thence north to Haan Road including all work shown on drawing 5 of 11.

Phase A-2: (Main Cantonment) Water line replacement starting at Marshall Road along Haan Road east to Chaffee Road including all work shown on drawing 3 of 11.

Phase A-3: (Biggs Field Area) Water line replacement starting at Gieger Road near

building 11004 to tie-ins at Duncan Street including all work shown on drawing 6 of 11 and all work shown on drawing 7 of 11 west of tie-ins at Duncan Street.

Phase A-4: (Biggs Field Area) Water line replacement work shown on drawing 7 of 11 not included in phase A-3.

Phase A-5: (Beaumont Area) All water line replacement work shown on drawing 9 of 11.

Phase A-6: (Logan Heights Area) Water line replacement work along Dyer Street as shown on drawing 8 of 11.

Phase A-7: (Logan Heights Area) Water line replacement work shown on drawing 8 of 11 except for that work which is included in Phase A-6.

1.3.3 Work Plan Requirements:

The contractor shall develop a comprehensive work plan for all "Designated Areas" of work prior to start of construction activity. The work plan shall be submitted within 30 days from the Notice To Proceed date for review and acceptance of the plan by the Government. A period of 30 days shall be allowed for the Government review of the plan. During this period, the contractor shall submit materials data for approval, as required by Section 01330-Submittal Procedures. A minimum of 60 days are required for approval of submittals. The work plan shall consist of a marked up and color coded drawing and a narrative for each "Designated Area" of work and/or phase (Areas 'A' through 'N'). The plan shall indicate the start of contractor's activities in one or more areas and will address road closures. A detailed traffic controls and detouring routes plan shall be submitted for each designated area and/or phase, which will require approval from base DPWL (minimum 21 days for approval). This plan can be per area based on size of work force and time frame for open trenches. The plan shall list the scheduled start and finish dates for each designated area and be tied in the Progress Schedule for the total project time. The narratives for each designated area shall list the anticipated dates and time for outages and chlorination of lines. The contractor shall also address the means of communications between work areas and with the Government's on-site representative. If a radio system is used, a radio shall be provided to the Government's on-site representative for the duration of the project.

1.4 WORK RESTRICTIONS

1.4.1 Working Hours

Normal working hours shall be Monday through Friday, 0700 to 1600 hours

1.4.2 Existing Facilities

All components of existing water distribution and storage system shall remain operational during construction.

1.4.3 Security Requirements

For the duration of this Contract, access to the Installation may be delayed between 30 minutes to an hour or more due to security precautions, including the checking of vehicle occupants' aids, vehicle manifests, and the searching of all vehicles. Any general or specific threat to the safety of those working or living at Fort Bliss base could result in longer waiting times at the access points to Base.

1.5 UTILITIES

1.5.1 Payment for Utility Services

Water, gas, and electricity may not be available from Government-owned and operated systems. If available, utility costs will be charged to the Contractor at rates as provided in Contract Clause 52.236.14 AVAILABILITY AND USE OF UTILITY SERVICES. The construction sites are remote. Existing utilities are located at Fort Bliss but NOT at the construction sites. The contractor must obtain his utilities from Fort Bliss or obtain his own at his own expense. See paragraphs below regarding meters and temporary connections.

1.5.1.1 Meters and Temporary Connections

The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall provide and maintain necessary temporary connections, distribution lines, and meters required to measure the amount of each utility used for the purpose of determining charges. The Contractor shall notify the Contracting Officer, in writing, 5 working days before final electrical connection is desired. The Contractor shall not make the final electrical connection.

1.5.1.2 Final Meter Reading

Before completion of the work and final acceptance of the work by the Government, the Contractor shall notify the Contracting Officer, in writing, 5 working days before termination is desired. The Government will take a final meter reading, disconnect service, and remove the meters. The Contractor shall then remove all the temporary distribution lines, meter bases, and associated paraphernalia. The Contractor shall pay all outstanding utility bills before final acceptance of the work by the Government.

1.5.2 Outages

The Contractor shall coordinate all requests for utility outages with the Contracting Officer in writing 21 days prior to date of requested outage:

- a. Water, gas, steam, and sewer outages shall be held to a maximum duration of 4 hours unless otherwise approved in writing.
- b. Electrical outages shall have a maximum duration of 4 hours.
- c. All utility outages shall be scheduled only on Saturdays, Sundays, or holidays unless specific approval is otherwise received.

1.6 STREET CLOSINGS

The Contractor shall coordinate all requests for street closings with the Contracting Officer in writing 21 (Am#1) days prior to date of requested outage:

- a. One lane traffic shall be maintained at all times.
- b. The final street repair shall be completed within 14 days after the start of any street crossing. Any part of the street returned to service prior to final repair shall be maintained smooth with hot-mix cold-lay surface course.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

-- End of Section --

SECTION 01451

CONTRACTOR QUALITY CONTROL
10/2002
Amendment 0001

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3740	(2001) Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
ASTM E 329	(2000b) Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction

1.2 PAYMENT

Separate payment will not be made for providing and maintaining an effective Quality Control program, and all costs associated therewith shall be included in the applicable unit prices or lump-sum prices contained in the Bidding Schedule.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

The Contractor is responsible for quality control and shall establish and maintain an effective quality control system in compliance with the Contract Clause titled "Inspection of Construction." The quality control system shall consist of plans, procedures, and organization necessary to produce an end product which complies with the contract requirements. The system shall cover all construction design and construction operations, both onsite and offsite, and shall be keyed to the proposed construction sequence. The site project superintendent will be held responsible for the quality of work on the job and is subject to removal by the Contracting Officer for non-compliance with quality requirements specified in the contract. The site project superintendent in this context shall be the highest level manager responsible for the overall construction activities at the site, including quality and production. The site project superintendent shall maintain a physical presence at the site at all times, except as otherwise acceptable to the Contracting Officer, and shall be responsible for all construction and construction related activities at the site.

3.2 QUALITY CONTROL PLAN

The Contractor shall furnish for review by the Government, not later than 10 days after receipt of notice to proceed, the Contractor Quality Control (CQC) Plan proposed to implement the requirements of the Contract Clause titled "Inspection of Construction." The plan shall identify personnel, procedures, control, instructions, tests, records, and forms to be used. The Government will consider an interim plan for the first 60 days of operation. Construction will be permitted to begin only after acceptance of the CQC Plan or acceptance of an interim plan applicable to the particular feature of work to be started. Work outside of the features of work included in an accepted interim plan will not be permitted to begin until acceptance of a CQC Plan or another interim plan containing the additional features of work to be started.

3.2.1 Content of the CQC Plan

The CQC Plan shall include, as a minimum, the following to cover all construction operations, both onsite and offsite, including work by subcontractors, fabricators, suppliers, and purchasing agents:

- a. A description of the quality control organization, including a chart showing lines of authority and acknowledgment that the CQC staff shall implement the three phase control system for all aspects of the work specified. The staff shall include a CQC System Manager who shall report to the project superintendent.

- b. The name, qualifications (in resume format), duties, responsibilities, and authorities of each person assigned a CQC function.
- c. A copy of the letter to the CQC System Manager signed by an authorized official of the firm which describes the responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the contract. The CQC System Manager shall issue letters of direction to all other various quality control representatives outlining duties, authorities, and responsibilities. Copies of these letters shall also be furnished to the Government.
- d. Procedures for scheduling, reviewing, certifying, and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agentssubcontractors, designers of record, consultants, architect engineers (AE), offsite fabricators, suppliers, and purchasing agents. These procedures shall be in accordance with Section 01330 SUBMITTAL PROCEDURES.
- e. Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work to be tested, test frequency, and person responsible for each test. Laboratory facilities approved by the Contracting Officer shall be used.)
- f. Procedures for tracking preparatory, initial, and follow-up control phases and control, verification, and acceptance tests including documentation.
- g. Procedures for tracking constructiondesign and construction deficiencies from identification through acceptable corrective action. These procedures shall establish verification that identified deficiencies have been corrected.
- h. Reporting procedures, including proposed reporting formats.
- i. A list of the definable features of work. A definable feature of work is a task which is separate and distinct from other tasks, has separate control requirements, and may be identified by different trades or disciplines, or it may be work by the same trade in a different environment. Although each section of the specifications may generally be considered as a definable feature of work, there are frequently more than one definable features under a particular section. This list will be agreed upon during the coordination meeting.

3.2.2 Acceptance of Plan

Acceptance of the Contractor's plan is required prior to the start of construction. Acceptance is conditional and will be predicated on satisfactory performance during the construction. The Government reserves the right to require the Contractor to make changes in his CQC Plan and operations including removal of personnel, as necessary, to obtain the quality specified.

3.2.3 Notification of Changes

After acceptance of the CQC Plan, the Contractor shall notify the Contracting Officer in writing of any proposed change. Proposed changes are subject to acceptance by the Contracting Officer.

3.3 COORDINATION MEETING

After the Preconstruction Conference, before start of construction, and prior to acceptance by the Government of the CQC Plan, the Contractor shall meet with the Contracting Officer or Authorized Representative and discuss the Contractor's quality control system. The CQC Plan shall be submitted for review a minimum of 5 calendar days prior to the Coordination Meeting. During the meeting, a mutual understanding of the system details shall be developed, including the forms for recording the CQC operations control activities, testing, administration of the system for both onsite and offsite work, and the interrelationship of Contractor's Management and control with the Government's Quality Assurance. Minutes of the meeting shall be prepared by the Government and signed by both the Contractor and the Contracting Officer. The minutes shall become a part of the contract file. There may be occasions when subsequent conferences will be called by either party to reconfirm mutual understandings and/or address deficiencies in the CQC system or procedures which may require corrective action by the Contractor.

3.4 QUALITY CONTROL ORGANIZATION

3.4.1 Personnel Requirements

The requirements for the CQC organization are a CQC System Manager and sufficient number of additional qualified personnel to ensure safety and contract compliance. The Safety

and Health Manager shall receive direction and authority from the CQC System Manager and shall serve as a member of the CQC staff. Personnel identified in the technical provisions as requiring specialized skills to assure the required work is being performed properly will also be included as part of the CQC organization. The Contractor's CQC staff shall maintain a presence at the site at all times during progress of the work and have complete authority and responsibility to take any action necessary to ensure contract compliance. The CQC staff shall be subject to acceptance by the Contracting Officer. The Contractor shall provide adequate office space, filing systems and other resources as necessary to maintain an effective and fully functional CQC organization. Complete records of all letters, material submittals, shop drawing submittals, schedules and all other project documentation shall be promptly furnished to the CQC organization by the Contractor. The CQC organization shall be responsible to maintain these documents and records at the site at all times, except as otherwise acceptable to the Contracting Officer.

3.4.2 CQC System Manager

The Contractor shall identify as CQC System Manager an individual within the onsite work organization who shall be responsible for overall management of CQC and have the authority to act in all CQC matters for the Contractor. The CQC System Manager shall be a person who has been in a Quality Control position; Testing; Computer Literate; with a minimum of five years in water utility related work. This CQC System Manager shall be on the site at all times during construction and shall be employed by the prime Contractor. The CQC System Manager shall be assigned no other duties. An alternate for the CQC System Manager shall be identified in the plan to serve in the event of the System Manager's absence. The requirements for the alternate shall be the same as for the designated CQC System Manager.

3.4.3 CQC Personnel

3.4.3.1 CQC Staff

A staff shall be maintained under the direction of the CQC system manager to perform all QC activities. The staff must be of sufficient size to ensure adequate QC coverage of all work phases, work shifts and work crews involved with the construction. Except as required for specialized CQC personnel, these personnel may perform other duties, but must be fully qualified by experience and technical training to perform their assigned QC responsibilities and must be allowed sufficient time to carry out these responsibilities.

3.4.3.2 Specialized CQC Personnel

In addition to CQC personnel specified elsewhere in the contract, the Contractor shall provide as part of the CQC organization specialized personnel to assist the CQC System Manager for the following areas: electrical, and water utility. These individuals shall be directly employed by the prime Contractor and may not be employed by a supplier or sub-contractor on this project. may perform other duties but must be allowed sufficient time to perform their assigned quality control duties as described in the Quality Control Plan.

No Specialized QC person will be approved for more than one specialized requirements. There must be one separate person for each of these 2 (two) specialized requirements. The CQC manager and all of the specialized CQC personnel shall be paid no less than \$20.00 per hour.

Experience Matrix

Area & Qualifications

a. Electrical

Person with computer; computer software control and SCADA systems experience of not less than 3 years.

b. Water Utility

Experience: This additional water utility Quality Control person is required if the Contractor performs any utility work/water tank construction in New Mexico that is concurrent with the work in Texas. This person must have minimum of 5 years experience in utility work with some quality control and testing experience. (Am#1)

3.4.4 Additional Requirement

In addition to the above experience and/or education requirements the CQC System Manager

shall have completed the course entitled "Construction Quality Management For Contractors". This class is mandatory for the Contractor's quality control manager. Certificates issued upon successful completion are valid for five years. This course is periodically offered at the Fort Worth District, Corps of Engineers Office, Federal Building, Room 1A03, 819 Taylor Street, Fort Worth, Texas. District, Corps of Engineers District Office. Attendees must be fluent in the English language (able to read and write) at the high school level.

Registration is required; call 817-886-1949 or 817-886-1841 for times and reservations. There is no charge for the course; however the Contractor will pay for travel and per diem costs.

3.4.5 Organizational Changes

The Contractor shall maintain the CQC staff at full strength at all times. When it is necessary to make changes to the CQC staff, the Contractor shall revise the CQC Plan to reflect the changes and submit the changes to the Contracting Officer for acceptance.

3.5 SUBMITTALS AND DELIVERIES

Submittals, if needed, shall be made as specified in Section 01330 SUBMITTAL PROCEDURES. The CQC organization shall be responsible for certifying that all submittals and deliverables are in compliance with the contract requirements. .

3.6 CONTROL

Contractor Quality Control is the means by which the Contractor ensures that the construction, to include that of subcontractors and suppliers, complies with the requirements of the contract. At least three phases of control shall be conducted by the CQC System Manager for each definable feature of work as follows:

3.6.1 Preparatory Phase

This phase shall be performed prior to beginning work on each definable feature of work, after all required plans/documents/materials are approved/accepted, and after copies are at the work site. This phase shall include:

- a. A review of each paragraph of applicable specifications, reference codes, and standards. A copy of those sections of referenced codes and standards applicable to that portion of the work to be accomplished in the field shall be made available by the Contractor at the preparatory inspection. These copies shall be maintained in the field and available for use by Government personnel until final acceptance of the work.
- b. A review of the contract drawings.
- c. A check to assure that all materials and/or equipment have been tested, submitted, and approved. **(Only coded A or B shop drawing submittals will be considered "as approved." Submittals other than those coded A or B required to be resubmitted will delay the preparatory phase meeting until they have been resubmitted and approved.)**
- d. Review of provisions that have been made to provide required control inspection and testing.
- e. Examination of the work area to assure that all required preliminary work has been completed and is in compliance with the contract.
- f. A physical examination of required materials, equipment, and sample work to assure that they are on hand, conform to approved shop drawings or submitted data, and are properly stored.
- g. A review of the appropriate activity hazard analysis to assure safety requirements are met.
- h. Discussion of procedures for controlling quality of the work including repetitive deficiencies. Document construction tolerances and workmanship standards for that feature of work.
- i. A check to ensure that the portion of the plan for the work to be performed has been accepted by the Contracting Officer.
- j. Discussion of the initial control phase.
- k. The Government shall be notified at least 72 hours in advance of beginning the preparatory control phase. This phase shall include a meeting conducted by the CQC System Manager and attended by the superintendent, other CQC personnel (as

applicable), and the foreman responsible for the definable feature. The results of the preparatory phase actions shall be documented by separate minutes prepared by the CQC System Manager and attached to the daily CQC report. The Contractor shall instruct applicable workers as to the acceptable level of workmanship required in order to meet contract specifications.

3.6.2 Initial Phase

This phase shall be accomplished at the beginning of a definable feature of work. The following shall be accomplished:

- a. A check of work to ensure that it is in full compliance with contract requirements. Review minutes of the preparatory meeting.
- b. Verify adequacy of controls to ensure full contract compliance. Verify required control inspection and testing.
- c. Establish level of workmanship and verify that it meets minimum acceptable workmanship standards. Compare with required sample panels as appropriate.
- d. Resolve all differences.
- e. Check safety to include compliance with and upgrading of the safety plan and activity hazard analysis. Review the activity analysis with each worker.
- f. The Government shall be notified at least 24 hours in advance of beginning the initial phase. Separate minutes of this phase shall be prepared by the CQC System Manager and attached to the daily CQC report. Exact location of initial phase shall be indicated for future reference and comparison with follow-up phases.
- g. The initial phase should be repeated for each new crew to work onsite, or any time acceptable specified quality standards are not being met.

3.6.3 Follow-up Phase

Daily checks shall be performed to assure control activities, including control testing, are providing continued compliance with contract requirements, until completion of the particular feature of work. The checks shall be made a matter of record in the CQC documentation. Final follow-up checks shall be conducted and all deficiencies corrected prior to the start of additional features of work which may be affected by the deficient work. The Contractor shall not build upon nor conceal non-conforming work.

3.6.4 Additional Preparatory and Initial Phases

Additional preparatory and initial phases shall be conducted on the same definable features of work if: the quality of on-going work is unacceptable; if there are changes in the applicable CQC staff, onsite production supervision or work crew; if work on a definable feature is resumed after a substantial period of inactivity; or if other problems develop.

3.7 TESTS

3.7.1 Testing Procedure

The Contractor shall perform specified or required tests to verify that control measures are adequate to provide a product which conforms to contract requirements. Upon request, the Contractor shall furnish to the Government duplicate samples of test specimens for possible testing by the Government. Testing includes operation and/or acceptance tests when specified. The Contractor shall procure the services of a Corps of Engineers approved testing laboratory or establish an approved testing laboratory at the project site. The Contractor shall perform the following activities and record and provide the following data:

- a. Verify that testing procedures comply with contract requirements.
- b. Verify that facilities and testing equipment are available and comply with testing standards.
- c. Check test instrument calibration data against certified standards.
- d. Verify that recording forms and test identification control number system, including all of the test documentation requirements, have been prepared.
- e. Results of all tests taken, both passing and failing tests, shall be recorded on the CQC report for the date taken. Specification paragraph reference, location where tests were taken, and the sequential control number identifying the test

shall be given. If approved by the Contracting Officer, actual test reports may be submitted later with a reference to the test number and date taken. An information copy of tests performed by an offsite or commercial test facility shall be provided directly to the Contracting Officer. Failure to submit timely test reports as stated may result in nonpayment for related work performed and disapproval of the test facility for this contract.

3.7.2 Testing Laboratories

3.7.2.1 Capability Check

The Government reserves the right to check laboratory equipment in the proposed laboratory for compliance with the standards set forth in the contract specifications and to check the laboratory technician's testing procedures and techniques. Laboratories utilized for testing soils, concrete, asphalt, and steel shall meet criteria detailed in ASTM D 3740 and ASTM E 329.

3.7.2.2 Capability Recheck

If the selected laboratory fails the capability check, the Contractor will be assessed a charge of \$2,000 to reimburse the Government for each succeeding recheck of the laboratory or the checking of a subsequently selected laboratory. Such costs will be deducted from the contract amount due the Contractor.

3.7.3 Onsite Laboratory

The Government reserves the right to utilize the Contractor's control testing laboratory and equipment to make assurance tests, and to check the Contractor's testing procedures, techniques, and test results at no additional cost to the Government.

3.7.4 Furnishing of Transportation of Samples for Testing

Costs incidental to the transportation of samples or materials shall be borne by the Contractor. Samples of materials for test verification and acceptance testing by the Government shall be delivered to the Government- contract laboratory designated by the Area Office.

Coordination for each specific test, exact delivery location, and dates will be made through the Area Office.

3.8 COMPLETION INSPECTION

3.8.1 Punch-Out Inspection

Near the end of the work, or any increment of the work established by a time stated in the Special Contract Requirement Clause, "Commencement, Prosecution, and Completion of Work", or by the specifications, the CQC Manager shall conduct an inspection of the work. A punch list of items which do not conform to the approved drawings and specifications shall be prepared and included in the CQC documentation, as required by paragraph DOCUMENTATION. The list of deficiencies shall include the estimated date by which the deficiencies will be corrected. The CQC System Manager or staff shall make a second inspection to ascertain that all deficiencies have been corrected. Once this is accomplished, the Contractor shall notify the Government that the facility is ready for the Government Pre-Final inspection.

3.8.2 Pre-Final Inspection

The Government will perform the pre-final inspection to verify that the facility is complete and ready to be occupied. A Government Pre-Final Punch List may be developed as a result of this inspection. The Contractor's CQC System Manager shall ensure that all items on this list have been corrected before notifying the Government, so that a Final inspection with the customer can be scheduled. Any items noted on the Pre-Final inspection shall be corrected in a timely manner. These inspections and any deficiency corrections required by this paragraph shall be accomplished within the time slated for completion of the entire work or any particular increment of the work if the project is divided into increments by separate completion dates.

3.8.3 Final Acceptance Inspection

The Contractor's Quality Control Inspection personnel, plus the superintendent or other primary management person, and the Contracting Officer's Representative shall be in attendance at the final acceptance inspection. Additional Government personnel including, but not limited to, those from Base/Post Civil Facility Engineer user groups, and major commands may also be in attendance. The final acceptance inspection will be formally scheduled by the Contracting Officer based upon results of the Pre-Final inspection. Notice shall be given to the Contracting Officer at least 14 days prior to the final acceptance inspection and shall include the Contractor's assurance that all

specific items previously identified to the Contractor as being unacceptable, along with all remaining work performed under the contract, will be complete and acceptable by the date scheduled for the final acceptance inspection. Failure of the Contractor to have all contract work acceptably complete for this inspection will be cause for the Contracting Officer to bill the Contractor for the Government's additional inspection cost in accordance with the contract clause titled "Inspection of Construction".

3.9 DOCUMENTATION

The Contractor shall maintain current records providing factual evidence that required quality control activities and/or tests have been performed. These records shall include the work of subcontractors and suppliers and shall be on an acceptable form that includes, as a minimum, the following information:

- a. Contractor/subcontractor and their area of responsibility.
- b. Operating plant/equipment with hours worked, idle, or down for repair.
- c. Work performed each day, giving location, description, and by whom. When Network Analysis (NAS) is used, identify each phase of work performed each day by NAS activity number.
- d. Test and/or control activities performed with results and references to specifications/drawings requirements. The control phase shall be identified (Preparatory, Initial, Follow-up). List of deficiencies noted, along with corrective action.
- e. Quantity of materials received at the site with statement as to acceptability, storage, and reference to specifications/drawings requirements.
- f. Submittals and deliverables reviewed, with contract reference, by whom, and action taken.
- g. Off-site surveillance activities, including actions taken.
- h. Job safety evaluations stating what was checked, results, and instructions or corrective actions.
- i. Instructions given/received and conflicts in plans and/or specifications.
- j. Contractor's verification statement.

These records shall indicate a description of trades working on the project; the number of personnel working; weather conditions encountered; and any delays encountered. These records shall cover both conforming and deficient features and shall include a statement that equipment and materials incorporated in the work and workmanship comply with the contract. The original and one copy of these records in report form shall be furnished to the Government daily within 12 hours after the date covered by the report, except that reports need not be submitted for days on which no work is performed. As a minimum, one report shall be prepared and submitted for every 7 days of no work and on the last day of a no work period. All calendar days shall be accounted for throughout the life of the contract. The first report following a day of no work shall be for that day only. Reports shall be signed and dated by the CQC System Manager. The report from the CQC System Manager shall include copies of test reports and copies of reports prepared by all subordinate quality control personnel.

3.10 SAMPLE FORMS

- a. Minimum construction quality control report and the required preparatory and initial inspection documentation.
- b. All tests of piping systems or portions thereof shall be recorded on the "Piping System Test Report".
- c. When operation and maintenance instructions for equipment are furnished to Government representatives by the Contractor, the Contractor's representative shall record on a form similar to that attached hereto the applicable data, including the name, organization, and signature of each person attending the instructions.

3.11 NOTIFICATION OF NONCOMPLIANCE

The Contracting Officer will notify the Contractor of any detected noncompliance with the foregoing requirements. The Contractor shall take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, shall be deemed sufficient for the purpose of notification. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or

part of the work until satisfactory corrective action has been taken. No part of the time lost due to such stop orders shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor.

SAMPLE FORMS

Sample QC forms follow this page.

(Sample of typical Contractor Quality Control Report)

CONTRACTOR'S NAME
(Address)

DAILY CONSTRUCTION QUALITY CONTROL REPORT

Date: _____ Report No. _____

Contract No.: _____

Description and Location of work:

WEATHER: (Clear) (P. Cloudy) (Cloudy);
Temperature: _____ Min. _____ Max;
Rainfall _____ inches.

Contractor/Subcontractors and Area of Responsibility with Labor Count for Each

a. _____

b. _____

c. _____

d. _____

Equipment Data: (Indicate items of construction equipment, other than hand tools, at the job site, and whether or not used.)

1. Work Performed Today: (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above. If no work is performed, report the reason.)

2. Results of Surveillance: (Include satisfactory work completed, or deficiencies with action to be taken.)

a. Preparatory Inspection: _____

b. Initial Inspection: _____

c. Follow-up Inspections: _____

3. Test Required by Plans and/or Specifications performed and Results of Tests:

4. Verbal Instructions Received: (List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)

5. Remarks: (Cover any conflicts in plans, specifications, or instructions or any delay to the job.)

6. Results of Safety Inspection: (Include safety violations and corrective actions taken.)

Contractor's Inspector

Page 1

CONTRACTOR'S VERIFICATION: The above report is complete and correct and all material and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above.

Contractor's Chief of Quality Control

NOTE:
DO NOT LEAVE REPORT ITEMS BLANK

Items 1. through 6. must be reported every day. If there is no other report on an item, enter the work "none" in the reporting space. Reports with items left blank will be returned as incomplete.

Page 2

PREPARATORY PHASE CHECKLIST

Contract No. _____ Date: _____

Definable Feature: _____ Spec Section: _____

Gov't Rep Notified _____ Hours in Advance Yes _____ No _____

I. Personnel Present:

	Name	Position	Company/Government
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

(List additional personnel on reverse side)

II. Submittals

1. Review submittals and/or submittal log 4288.
Have all submittals been approved? Yes _____ No _____

If no, what items have not been submitted?

a. _____
b. _____
c. _____

2. Are all materials on hand? Yes_____ No_____

If no, what items are missing?

a. _____

b. _____

c. _____

3. Check approved submittals against delivered materials. (This should be done as material arrives.)

Comments _____

III. Material storage

Are materials stored properly? Yes_____ No _____

If No, what action is taken? _____

IV. Specifications

1. Review each paragraph of specifications.

2. Discuss procedure for accomplishing the work.

3. Clarify any differences.

V. Preliminary Work and Permits

Ensure preliminary work is correct and permits are on file.

If not, what action is taken? _____

PPC Page 2

VI. Testing

1. Identify test to be performed, frequency, and by whom.

2. When required?

3. Where required?

4. Reviewing Testing Plan.

5. Have test facilities been approved?

VII. Safety

1. Review applicable portion of EM 385-1-1.

2. Activity Hazard Analysis approved? Yes _____ No _____

VIII. Corps of Engineers comments during meeting.

CQC REP

PPC Page 3

INITIAL PHASE CHECKLIST

Contract No. _____ Date: _____

Definable Feature: _____

Gov't Rep Notified _____ Hours in Advance Yes _____ No _____

I. Personnel Present:

	Name	Position	Company/Government
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

(List additional personnel on reverse side)

IC Page 1

II.

Identify full compliance with procedures identified at preparatory. Coordinate plans, specifications, and submittals.

Comments

III. Preliminary Work. Ensure preliminary work is complete and correct. If not, what action is taken?

IV. Establish Level of Workmanship.

1. Where is work located? _____

2. Is a sample panel required? Yes _____ No _____

3. Will the initial work be considered as a sample?

Yes _____ No _____

(If yes, maintain in present condition as long as possible.)

V. Resolve any differences.

Comments

IC Page 2

VI. Check Safety

Review job conditions using EM 385-1-1 and job hazard analysis.

Comments_____

CQC REP

IC Page 3

PIPING SYSTEM TEST REPORT

STRUCTURE OR BUILDING_____

CONTRACT NO. _____

DESCRIPTION OF SYSTEM OR PART OF SYSTEM TESTED: _____

DESCRIPTION OF TEST: _____

NAME AND TITLE OF PERSON IN CHARGE OF PERFORMING TESTS FOR CONTRACTOR:

NAME _____

TITLE _____

SIGNATURE _____

I HEREBY CERTIFY THAT THE ABOVE DESCRIBED SYSTEM HAS BEEN TESTED AS
INDICATED ABOVE AND FOUND TO BE ENTIRELY SATISFACTORY AS REQUIRED IN
THE CONTRACT SPECIFICATIONS.

SIGNATURE OF INSPECTOR _____

DATE _____

REMARKS: _____

Piping Systems Test Page 1

OPERATION AND MAINTENANCE INSTRUCTIONS

CONTRACT NO. _____

DESCRIPTION _____

LOCATION _____

DATE _____

Operation and maintenance instructions were conducted for _____
(Type of Equipment)

_____ required by section _____, paragraph _____

on _____.
(Date)

The following personnel were present:

Instructions were given by _____
(Contractor's Representative)

The personnel identified herein by their signatures certify that they have been instructed in the operation and maintenance of the above-mentioned equipment.

O&M Page 1

-- End of Section --

NOTE: When

drilled piers,
engine-generator sets, or
ENG Form 144 "Paint Service Record"

are in or required for the project, replace this page with the applicable forms to the BUILD directory. They can not be added to this Specsintact file. The forms, pdf file "DP_FRM.PDF", ef144.pdf, and gen_a&b.pdf, are located in the G:\d2\new\pdf_form\ directory.

SECTION 01770

CONTRACT CLOSEOUT
02/2003
Amendment 0001

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

TRI-SERVICE CADD/GIS TECHNOLOGY CENTER (TSC)

TSC-01 A/E/C CADD Standard Manual (Current Release as of Contract Award date)

U.S. ARMY CORPS OF ENGINEERS (COE)

COE-02 ARCHITECTURAL AND ENGINEERING INSTRUCTIONS MANUAL (SWD-AEIM), Southwestern Division (Current issue as of Contract Award date)

1.2 PAYMENT

Contract closeout activities such as, but not limited to, operation and maintenance manuals, record drawings, warranty requirements, equipment warranty identification tags, and inventories, payrolls, and shop drawing submittals, are subsidiary activities of the contract work; separate payment will not be made for any activity unless otherwise specified. Final contract payment will not be made until completion and approval of all contract closeout activities.

1.3 HVAC TESTING

The HVAC Testing that the Contractor schedules after substantial completion pursuant to paragraph entitled "Testing of Heating and Air-Conditioning Systems" of Section 01000 CONSTRUCTION SCHEDULE has a value to the Government of 10 percent of the value of the equipment to be tested. The Contractor shall reserve that amount to be paid on any equipment that will require testing after substantial completion pursuant to the above referenced specification paragraph.

1.4 OPERATION AND MAINTENANCE MANUALS

The Contractor shall be responsible for the preparation, coordination, execution and submittal of all operation and maintenance manuals (O & M Manuals), including spare parts lists, special tools, inventories of equipment manuals, and maintenance instructions, and shall conduct all training for operating and service personnel. Operation and maintenance manuals shall cover all system installations provided in this Contract and shall be in sufficient detail to facilitate normal maintenance and troubleshooting by persons with minimum experience with the installed equipment.

1.4.1 Submittal Requirements

All of the above listed items required in the technical specifications shall be fully developed and submitted to the Contracting Officer not less than 250 days prior to the original scheduled contract completion date. Fully developed and approved operations and maintenance manuals shall be provided 30 days prior to scheduling training for operating and service personnel, for any phase or partial phase of completed work to be accepted by user. (Am#1) The Contractor shall coordinate the content of each instruction period required in the technical specifications with the Contracting Officer's Representative prior to the actual start of the training period.

1.4.1.1 Video taping of Training for Operating and Service Personnel

Each instruction or training period as discussed above, shall be video taped in VHS FORMAT by the Contractor. The taping shall include the entire session(s). The original video tape(s) shall be labeled and turned over to the Contracting Officer. The video

camera and tapes utilized by the Contractor, shall be of a quality to enable clear and understandable playbacks of the recorded events.

1.4.1.2 Draft O & M Manuals

On those systems where complete and comprehensive operation and maintenance manuals cannot be fully developed until the system(s) is (are) checked, tested, and/or balanced, and the checking, testing, and/or balancing has not been done when submittals are required, a proposed draft of those system manual(s) shall be submitted. The covers of draft O & M Manuals shall be labeled "DRAFT" in large (not less than font size 24), legible, printed letters. Submit fully developed O & M Manuals for approval after the systems have been checked, tested, and/or balanced but prior to the scheduled final acceptance inspection date. The amount indicated in the Bidding Schedule for "Operation and Maintenance Manuals" will be withheld until submittal and approval of all fully developed O & M Manuals.

1.4.1.3 Commencement of Warranty of Construction

Failure to submit all specified O & M manuals, spare parts listings, spare parts, special tools, inventories of installed property, and training video tapes in a timely manner will be considered as delaying substantial completion of the work. Commencement of warranty under the Contract Clause WARRANTY OF CONSTRUCTION will not occur until all these items are delivered and approved by the Contracting Officer, but not earlier than the date of final acceptance of the work by the Government. When the O & M Manuals with drafts are approved they will not constitute a reason for delaying the start of the warranty period.

1.4.2 Government Possession of Work

The Government may take possession of any completed or partially completed work as provided for under Contract Clause entitled "USE AND POSSESSION PRIOR TO COMPLETION." If the installed equipment and/or systems thereto, have not been accepted by the Government due to the Contractor's failure to submit the above specified items, the Contractor shall operate and maintain such plant or system at no additional cost to the Government until such time that the specified items have been received, approved and any subsequent testing, check-out and/or training has been completed.

1.5 PREPARATION AND SUBMISSION OF OPERATION AND MAINTENANCE MANUALS

This paragraph establishes general requirements for the preparation and submission of equipment operating, maintenance, and repair manuals as called for in the various sections of the specifications. Specific instruction(s) relating to a particular system or piece of equipment shall be incorporated into the manuals in accordance with the applicable technical specification.

1.5.1 General Requirements

Furnish operations and maintenance manuals on CD-ROM disk along with the number of hard copies specified in the technical sections. When the number of copies are not specified, furnish one single hard copy. Documents on the CD-ROM disk shall be in portable document format (.pdf); all printed and graphic documents, drawings, and illustrations shall be legible and bookmarked. Hard copy requirements are specified below.

1.5.1.1 Hard Cover Binders

The manuals shall be 3-ring binders with a hard cover, from which material may readily be removed and replaced. Binders shall have a separate section for each system or subsystem. Separate the sections with heavy plastic dividers having tabs which identify the material in the section. The following identification shall be inscribed on the cover: the words "EQUIPMENT OPERATING, MAINTENANCE, AND REPAIR MANUAL:" and the name, building number, location, and indication of utility or systems covered. Manuals shall be approximately 8-1/2 by 11 inches with large sheets folded in and capable of being easily pulled out for reference. All manuals for a single facility must be similar in appearance.

1.5.1.2 Warning Page

A warning page shall be provided to warn of potential dangers (if they exist), such as high voltage, toxic chemicals, flammable liquids, explosive materials, carcinogens, or high pressures. The warning page shall be placed inside the front cover, in front of the title page.

1.5.1.3 Title Page

The title page shall show the name of the preparing firm (designer or contractor) and the date of publication.

1.5.1.4 Table of Contents

Provide in accordance with standard commercial practice.

1.5.2 Equipment Operating, Maintenance, and Repair Manuals

1.5.2.1 General

Separate manuals shall be provided for each utility system as defined hereinafter. Manuals shall be provided in the number of copies specified in the applicable technical section. Manuals shall include, in separate sections, the following information for each item of equipment. These requirements may be supplemented by additional requirements specified in the technical sections:

a. Performance sheets and graphs showing capacity data, efficiencies, electrical characteristics, pressure drops, and flow rates. Marked-up catalogs or catalog pages do not satisfy this requirement. Performance information shall be presented as concisely as possible and contain only data pertaining to equipment actually installed.

b. Catalog cuts showing application information.

c. Installation information showing minimum acceptable requirements.

d. Operation and maintenance requirements. Include adequate illustrative material to identify and locate operating controls, indicating devices and locations of areas or items requiring maintenance.

(1) Describe, in detail, starting and stopping procedures for components, adjustments required to obtain optimum equipment performance, and corrective actions for malfunctions.

(2) Maintenance instructions describing the nature and frequency of routine maintenance and procedures to be followed. Indicate any special tools, materials, and test equipment that may be required.

e. Repair information including diagrams and schematics, guidance for diagnosing problems, and detailed instructions for making repairs. Provide troubleshooting information that includes a statement of the indication or symptom of trouble and the sequential instructions necessary. Include test hookups to determine the cause, special tools and test equipment, and methods for returning the equipment to operating conditions. Information may be in chart form or in tabular format with appropriate headings.

f. Parts lists with names and addresses of closest parts supply agencies, the current unit prices, and the sources of supply. Include spare parts data for each different item of materials and equipment specified.

g. Names and addresses of local manufacturers representatives.

1.5.2.2 Facility Heating Systems

Information shall be provided on the following equipment: Boilers, water treatment, chemical feed pumps and tanks, converters, heat exchangers, pumps, unit heaters, fin-tube radiation, air handling units (both heating only and heating and cooling), and valves (associated with heating systems).

1.5.2.3 Air-Conditioning Systems

Provide information on chillers, packaged air-conditioning equipment, towers, water treatment, chemical feed pumps and tanks, air-cooled condensers, pumps, compressors, air handling units, and valves (associated with air-conditioning systems).

1.5.2.4 Temperature Control and HVAC Distribution Systems

a. Provide the information described for the following equipment:

Valves, fans, air handling units, pumps, boilers, converters, and heat exchangers, chillers, water cooled condensers, cooling towers, and fin-tube radiation.

b. Provide all information described for the following equipment:

Control air compressors, control components (sensors, controllers, adapters, and actuators), and flow measuring equipment.

1.5.2.5 Central Heating Plants

Provide the information described for the following equipment: Boilers, converters, heat exchangers, pumps, fans, steam traps, pollution control equipment, chemical feed equipment, control systems, fuel handling equipment, de-aerators, tanks (flash, expansion, return water, etc.), water softeners, and valves.

1.5.2.6 District Heating Distribution Systems

Provide the information described for the following equipment: Valves, fans, pumps, converters and heat exchangers, steam traps, tanks (expansion, flash, etc.) and piping systems.

1.5.2.7 Exterior Electrical Systems

Information shall be provided on the following equipment: Power transformers, relays, reclosers, breakers, and capacitor bank controls.

1.5.2.8 Interior Electrical Systems

Information shall be provided on the following equipment: Relays, motor control centers, switchgear, solid state circuit breakers, motor controller, and EPS lighting systems, control systems (wire diagrams and troubleshooting flow chart), and special grounding systems.

1.5.2.9 Energy Management and Control System

The maintenance manual shall include descriptions of maintenance for all equipment, including inspection, periodic preventative maintenance, fault diagnosis, and repair or replacement of defective components.

1.5.2.10 Domestic Water Systems

The identified information shall be provided on the following equipment: Tanks, unit process equipment, pumps, motors, control and monitoring instrumentation, laboratory test equipment, chemical feeders, valves, switching gear, and automatic controls.

1.5.2.11 Wastewater Treatment Systems

The identified information shall be provided on the following equipment: Tanks, unit process equipment, pumps, motors, control and monitoring instrumentation, laboratory test equipment, chemical feeders, valves, scrapers, skimmers, comminutors, blowers, switching gear, and automatic controls.

1.5.2.12 Fire Protection Systems

Information shall be provided on the following equipment: Alarm valves, manual valves, regulators, foam and gas storage tanks, piping materials, sprinkler heads, nozzles, pumps, and pump drivers.

1.5.2.13 Fire Detection Systems

The maintenance manual shall include description of maintenance for all equipment, including inspection, periodic preventive maintenance, fault diagnosis, and repair or replacement of defective components.

1.5.2.14 Plumbing Systems

Information shall be provided on the following equipment: Water heaters, valves, pressure regulators, backflow preventors, piping materials, and plumbing fixtures.

1.5.2.15 Liquid Fuels Systems

Information shall be provided on the following equipment: Tanks, automatic valves, manual valves, filter separators, pumps, mechanical loading arms, nozzles, meters, electronic controls, electrical switch gear, and fluidic controls.

1.5.2.16 Cathodic Protection Systems

Information shall be provided on the following material and equipment: Rectifiers, meters, anodes, anode backfill, anode lead wire, insulation material and wire size, automatic controls (if any), rheostats, switches, fuses and circuit breakers, type and size of rectifying elements, type of oil in oil-immersed rectifiers, and rating of shunts.

1.5.2.17 Generator Installations

Information shall be provided on the following equipment: Generator sets, automatic transfer panels, governors, exciters, regulators, starting systems, switchgear, and

protective devices.

1.5.2.18 Miscellaneous Systems

Information shall be provided on the following: Communication and ADP systems, security and intrusion alarm, elevators, material handling, active solar, photovoltaic, and other similar type special systems not otherwise specified.

1.6 RECORD DRAWINGS

Record drawings shall be a record of the construction as installed and completed by the Contractor. They are a record of all deviations, modifications, or changes from contract set of drawings, however minor, which were incorporated in the work. They include all the information shown on the contract set of drawings, any Contractor-original drawings, all additional work not appearing on the contract drawings, and all changes which are made after final inspection of the contract work.

1.6.1 Contractor-Original Record Drawings

Contractor-original record drawings are those drawings drawn by the Contractor to further explain the Contract documents such as subcontractor submittals for fire protection/detection, communication, and other systems, and approved Contractor's solutions to problems. Submit these drawings as full-size reproducible sheets and CADD files. CADD files shall conform to the Working CADD file requirements specified in paragraph "Final Record Drawings."

1.6.2 Preliminary Record Drawings

The Contractor shall mark up both a reproducible set and a set of prints to show as-built conditions. These two sets, hereafter called preliminary record drawings, or singly, reproducibles or prints, shall be kept current and available on the jobsite at all times, except as noted below. For drawings contained within the Specifications, the Contractor shall mark up copies of these drawings to show as-built conditions; these copies will be considered the preliminary record drawings and shall be kept current and available on the jobsite at all times, except as noted below. A member of the Contractor's Quality Control Organization shall be assigned responsibility for the maintenance and currency of the preliminary record drawings. This assignment and any reassignment of duties concerning the maintenance of the record drawings shall be promptly reported to the Contracting Officer's representative for approval. All changes from the contract drawings which are made in the work or additional information which might be uncovered in the course of construction, including uncharted utilities, shall be accurately and neatly recorded as they occur by means of details and notes. All changes and/or required additions to the preliminary record drawings shall be clearly identified in a contrasting color and which is compatible with reproduction of the preliminary record drawings. Preliminary record drawings shall be updated by Friday of each week. During periods when the reproducibles are being copied and are therefore not available at the jobsite, the Contractor shall continue posting all required data to the prints. The Contractor shall minimize the time that the reproducibles are away from the jobsite and shall update them with all as-built data immediately upon their return. The preliminary record drawings will be jointly inspected for accuracy and completeness by the Contracting Officer's representative and the assigned representative of the Contractor's Quality Control Organization prior to submission of each monthly pay estimate. See paragraph, "Withholding for Preliminary Record Drawings." The record drawings shall show the following information, but not be limited thereto:

a. The location and description of utility lines or other installation of any kind or description known to or found to exist within the construction area. The location of exterior utilities includes actual measured horizontal distances from utilities to permanent facilities/ features. These measurements shall be within an accuracy range of 6 inches and shall be shown at sufficient points to permit easy location of utilities for future maintenance purposes. Measurements shall be shown for all change of direction points and all surface or underground components such as valves, manholes, drop inlets, cleanouts, meter, etc. The general depth range of each underground utility line shall be shown (i.e., 3 to 4 feet in depth). The description of exterior utilities includes the actual quantity, size, and material of utility lines.

b. The location and size of all uncharted existing utilities encountered.

c. The location and dimensions of any changes within the building or structure.

d. Correct grade or alinement of roads, structures or utilities if any changes were made from contract drawings.

e. Correct elevations if changes were made in site grading.

f. Changes in details of design or additional information obtained from working drawings specified to be prepared and/or furnished by the Contractor including but not

limited to fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations, etc.

g. The topography and grades of all drainage installed or affected as a part of the project construction.

h. Options

Where contract drawings or specifications allow options, only the option selected for construction shall be shown on the record drawings.

1.6.2.1 Blue Line or Black Line Prints

Blue line or black line prints shall be full size. All blue or black line prints shall exhibit good readable print with clear, sharp, dark lines, and shall not be smeared, faded, double imaged, or have torn or ragged edges.

1.6.2.2 Prefinal Inspection For Each Item of Work

As part of the prefinal inspection for each item of work, the preliminary record drawings will be reviewed. They shall comply with this specification prior to scheduling the final inspection, and/or prior to substantial completion of the item of work.

1.6.2.3 Preliminary Record Drawing Final Submittal

Prior to scheduling the final acceptance inspection of the last or only bid schedule item of work, the preliminary record drawings shall be completed and delivered to the Contracting Officer's Representative for review and approval. If upon review, the drawings are found to contain errors and/or omissions, they will be returned to the Contractor for corrections. Failure of the Contractor to make timely delivery of the preliminary record drawings on any or all items of work will be cause for the Government to delay substantial completion and to assess liquidated damages in accordance with the terms and conditions of the contract.

1.6.2.4 Withholding for Preliminary Record Drawings

Failure by the Contractor to maintain current and satisfactory preliminary record drawings in accordance with these requirements will result in withholding from progress payments 10 percent of the progress payment amount until such time as the record drawings are brought into compliance. This withheld amount will be indicated on monthly payment estimates until the Contractor has fulfilled these contract requirements.

1.6.2.5 Final Inspection

For each interim item of work, furnish a copy of the preliminary record drawings for that item, which the Contractor has reproduced from the approved preliminary record drawing reproducible, to the Contracting Officer's representative at the time of final inspection for that item. At the time of final inspection on the last or only item of work, the Contractor shall deliver a copy of the complete set of the approved preliminary record drawings to the Contracting Officer's Representative.

1.6.3 Final Record Drawings

Upon approval of the preliminary record drawings, the Contracting Officer will return the approved preliminary record drawing prints back to the Contractor. The Contractor will then modify the CADD files as may be necessary to correctly show all the features of the project as it was constructed by bringing the contract set into agreement with the preliminary record drawings, including adding additional drawings and CADD files as may be necessary. The Contractor shall furnish the as-built drawings in the same file format as the Working CADD files. The Working CADD files will be furnished to the Contractor. The working CADD files are in Autocadd 2000, located on the Contract CD-ROM disk in Autodesk's AutoCAD format. (Am#1) These CADD files are part of the permanent records of this project and the Contractor shall be responsible for the protection and safety thereof until final submittal to the Contracting Officer. Drawings, tracings, or CADD files damaged or lost by the Contractor shall be satisfactorily replaced by the Contractor at the Contractor's expense. CADD files will be audited by the Contracting Officer and for accuracy and conformance to the above specified drafting and CADD standards.

1.6.3.1 Drafting

Only personnel proficient in the preparation of engineering drawings and CADD shall be employed to modify the original contract drawings, prepare additional new drawings, and modify the CADD files. All modifications and new drawings shall conform to applicable requirements specified in the paragraph "CADD Standards." The Contractor shall ensure that all delivered CADD digital files and data (e.g., sheet files, model files,

cell/block libraries) are compatible with the Government's target CADD system and operating system, and adhere to the standards and requirements specified. The term "compatible" means that data is in native digital format i.e., .dgn (MicroStation) or .dwg (AutoCAD). It is the responsibility of the Contractor to ensure this level of compatibility.

1.6.3.2 CADD Standards

CADD drawings shall be prepared in accordance with the applicable general and discipline-specific provisions for drawing formats, level/layer assignments, line colors, line weights, and line types of the TSC-01 (Tri-Service A/E/C Standards) and the COE-02 ("SWD Architectural and Engineering Instruction Manual (AEIM)), Chapter VIII, "Drawings").

The CADD standards, including seed/prototype files containing the Government's preset standard settings and electronic reference files containing the Government's standard border/title block sheets, are located at the following Web site:

<http://tsc.wes.army.mil/products/standards/aec/aecstdweb.asp>.

Mark modifications to Contract drawings in accordance with the Fort Worth District's procedures for drawing modifications, which can be found in the document "CONSTRUCTION SOLICITATION, AMENDMENT, AWARD AND MODIFICATION PROCEDURES FOR DRAWINGS" located at <http://www.swf.usace.army.mil/>, then click on ORGANIZATION, then on Contract Administration Branch, then CADD, "Cadd Amend, Award & As-Built Procedures."

The Contractor shall submit a written request for approval of any deviations from the Government's established CADD standards. Deviations will not be permitted unless prior written approval of such deviations has been received from the Government.

1.6.3.3 Final Revisions

When final revisions have been completed, place the words "REVISED RECORD DRAWING," in letters at least 3/16 inch high, and the date of completion in the revision block above the latest existing revision notation on each drawing CADD file.

1.6.3.4 Border Sheets

The border sheet to be used for any new record drawings shall be the same as used on the original drawings.

1.6.3.5 Copies of the Final Record Drawings

Blue line or black line prints shall be full size. All blue or black line prints shall exhibit good readable print with clear, sharp, dark lines, and shall not be smeared, faded, double imaged, or have torn or ragged edges.

1.6.3.6 Submittal Requirements

The Contractor shall submit to the Contracting Officer the final record drawings, consisting of one set of full size blue line or black line prints, one full size vellum reproducible set, and two sets of corrected CADD files on CD-ROM disks; verification that the CADD files have been loaded and work on the designated computer systems and are error- and virus-free; the approved preliminary blue lines; and all required reproduced items. All paper prints, reproducible drawings, and CADD files will become the property of the Government.

1.6.4 Post-Record Drawing Work

In event the Contractor accomplishes additional work which changes the as-built conditions of the facility after submission of the record drawings, the Contractor shall furnish revised and/or additional drawings (hard copy and CADD files), as required to depict as-built conditions. The requirements for these additional drawings, including CADD files, will be the same as for the record drawings included in the original submission.

1.6.5 Payment for Final Record Drawings

The amount listed for Final Record Drawings in the Bidding Schedule will be paid to the Contractor upon the Contracting Officer's acceptance of the completed record drawings.

1.7 ADDITIONAL WARRANTY REQUIREMENTS

The warranty requirements specified in this paragraph are in addition to those specified in the Contract Clause WARRANTY OF CONSTRUCTION in Section 00700 CONTRACT CLAUSES.

1.7.1 Performance Bond

It is understood that the Contractor's Performance Bond will remain effective throughout the life of all warranties and warranty extensions. This paragraph is applicable to the Contractor's Warranty of Construction only and does not apply to manufacturers' warranties on equipment, roofing, and other products.

(a) In the event the Contractor or the Contractor's designated representative fails to commence and diligently pursue any work required under the Warranty of Construction Paragraph within a reasonable time after receipt of written notification pursuant to the requirements thereof, the Contracting Officer shall have a right to demand that said work be performed under the Performance Bond by making written notice on the surety. If the surety fails or refuses to perform the obligation it assumed under the Performance Bond, the Contracting Officer shall have the work performed by others, and after completion of the work, shall make demand for reimbursement of any or all expenses incurred by the Government while performing the work, including, but not limited to administrative expenses.

(b) Warranty repair work which arises to threaten the health or safety of personnel, the physical safety of property or equipment, or which impairs operations, habitability of living spaces, etc., will be handled by the Contractor on an immediate basis as directed verbally by the Contracting Officer or the Contracting Officer's authorized representative. Written verification will follow verbal instructions. Failure of the Contractor to respond as verbally directed will be cause for the Contracting Officer or the Contracting Officer's authorized representative to have the warranty repair work performed by others and to proceed against the Contractor as outlined in the paragraph (a) above.

1.7.2 Pre-Warranty Conference

Prior to contract completion and at a time designated by the Contracting Officer or Contracting Officer's authorized representative, the Contractor shall meet with the Contracting Officer to develop a mutual understanding with respect to the requirements of Contract Clause WARRANTY OF CONSTRUCTION. Communication procedures for Contractor notification of warranty defects, priorities with respect to the type of defect, reasonable time required for Contractor response, and other details deemed necessary by the Contracting Officer or Contracting Officer's authorized representative for the execution of the construction warranty shall be established/reviewed at this meeting.

In connection with these requirements and at the time of the Contractor's quality control completion inspection, the Contractor will furnish the name, telephone number and address of a licensed and bonded company which is authorized to initiate and pursue warranty work action on behalf of the Contractor. This single point of contact will be located within the local service area of the warrantied construction, will be continuously available, and will be responsive to Government inquiry on warranty work action and status. This requirement does not relieve the Contractor of any of Contractor's responsibilities in connection with Contract Clause WARRANTY OF CONSTRUCTION.

1.7.3 Equipment Warranty Identification Tags

The Contractor shall provide warranty identification tags on all equipment installed under this contract. Tags and installation shall be in accordance with the requirements of Paragraph: EQUIPMENT WARRANTY IDENTIFICATION TAGS.

1.7.4 Contractor's Response to Construction Warranty Service Requirements

Following oral or written notification by the Contracting Officer, the Contractor shall respond to construction warranty service requirements in accordance with the "Construction Warranty Service Priority List" and the three categories of priorities listed below. The Contractor shall submit a report on any warranty item that has been repaired during the warranty period. The report shall include the cause of the problem, date reported, corrective action taken, and when the repair was completed. If the Contractor does not perform the construction warranty within the timeframes specified, the Government will perform the work and backcharge the construction warranty payment item established. Payment for this activity will be as follows: 25 percent after six months of the warranty period has passed; the remaining 75 percent will be paid at the end of the warranty period, if there are no outstanding warranty items.

a. First Priority Code 1. Perform onsite inspection to evaluate situation, and determine course of action within 4 hours, initiate work within 6 hours and work continuously to completion or relief.

b. Second Priority Code 2. Perform onsite inspection to evaluate situation, and

determine course of action within 8 hours, initiate work within 24 hours and work continuously to completion or relief.

c. Third Priority Code 3. All other work to be initiated within 3 work days and work continuously to completion or relief.

d. The "Construction Warranty Service Priority List" is as follows:

Code 1-Air Conditioning Systems

- (1) Recreational support.
- (2) Air conditioning leak in part of building, if causing damage.
- (3) Air conditioning system not cooling properly.

Code 1-Doors

- (1) Overhead doors not operational, causing a security, fire, or safety problem.
- (2) Interior, exterior personnel doors or hardware, not functioning properly, causing a security, fire, or safety problem.

Code 3-Doors

- (1) Overhead doors not operational.
- (2) Interior/exterior personnel doors or hardware not functioning properly.

Code 1-Electrical

- (1) Power failure (entire area or any building operational after 1600 hours).
- (2) Security lights
- (3) Smoke detectors

Code 2-Electrical

- (1) Power failure (no power to a room or part of building).
- (2) Receptacle and lights (in a room or part of building).

Code 3-Electrical

Street lights.

Code 1-Gas

- (1) Leaks and breaks.
- (2) No gas to family housing unit or cantonment area.

Code 1-Heat

- (1). Area power failure affecting heat.
- (2). Heater in unit not working.

Code 2-Kitchen Equipment

- (1) Dishwasher not operating properly.
- (2) All other equipment hampering preparation of a meal.

Code 1-Plumbing

- (1) Hot water heater failure.
- (2) Leaking water supply pipes.

Code 2-Plumbing

- (1) Flush valves not operating properly.
- (2) Fixture drain, supply line to commode, or any water pipe leaking.
- (3) Commode leaking at base.

Code 3 -Plumbing

Leaky faucets.

Code 3-Interior

- (1) Floors damaged.
- (2) Paint chipping or peeling.
- (3) Casework.

Code 1-Roof Leaks

Temporary repairs will be made where major damage to property is occurring.

Code 2-Roof Leaks

Where major damage to property is not occurring, check for location of leak during rain and complete repairs on a Code 2 basis.

Code 2-Water (Exterior)

No water to facility.

Code 2-Water (Hot)

No hot water in portion of building listed.

Code 3-All other work not listed above.

1.8 EQUIPMENT WARRANTY IDENTIFICATION TAGS

1.8.1 General Requirements

The Contractor shall provide warranty identification tags on all Contractor and Government furnished equipment which he has installed.

1.8.1.1 Tag Description and Installation

The tags shall be similar in format and size to the exhibits provided by this specification, they shall be suitable for interior and exterior locations, resistant to solvents, abrasion, and to fading caused by sunlight, precipitation, etc. These tags shall have a permanent pressure-sensitive adhesive back, and they shall be installed in a position that is easily (or most easily) noticeable. Contractor furnished equipment that has differing warranties on its components will have each component tagged.

1.8.1.2 Sample Tags

Sample tags shall be submitted to the Contracting Officer's Authorized Representative for review and approval. These tags shall be filled out representative of how the Contractor will complete all other tags.

1.8.1.3 Tags for Warranted Equipment

The tag for this equipment shall be similar to the following. Exact format and size will be as approved by the Contracting Officer's Authorized Representative. The Contractor warranty expires (warranty expiration date) and the final manufacturer's warranty expiration dates will be determined as specified by the Paragraph "WARRANTY OF CONSTRUCTION."

EQUIPMENT WARRANTY CONTRACTOR FURNISHED EQUIPMENT	
MFG_____	MODEL NO._____
SERIAL NO._____	
CONTRACT NO._____	
CONTRACTOR NAME_____	
CONTRACTOR WARRANTY EXPIRES_____	
MFG WARRANTY(IES) EXPIRE_____	
WARRANTY [] REPAIRS/[] REPLACEMENT MADE:_____	
WARRANTY [] REPAIRS/[] REPLACEMENT MADE:_____	

1.8.1.4 Duplicate Information

If the manufacturer's name (MFG), model number, and serial number are on the manufacturer's equipment data plate and this data plate is easily found and fully legible, this information need not be duplicated on the equipment warranty tag.

1.8.2 Execution

The Contractor will complete the required information on each tag and install these tags on the equipment by the time of and as a condition of final acceptance of the equipment.

The Contractor will schedule this activity in the Contractor progress reporting system.

The final acceptance inspection is scheduled based upon notice from the Contractor, thus if the Contractor is at fault in this inspection being delayed, the Contractor will, at the Contractor's own expense, update the in-service and warranty expiration dates on these tags.

1.8.3 Payment

The work outlined above is a subsidiary portion of the contract work, and has a value to the Government approximating 5% of the value of the Contractor furnished equipment. The Contractor will assign up to that amount, as approved by the Contracting Officer's Authorized Representative.

1.8.4 Updating Equipment Warranty Tags

Repairing or replacing warranted equipment shall include an updated warranty identification tag on the repaired or replaced equipment. Using a fine point permanent marker pen, update the tag by checking whether the equipment was repaired or replaced, and indicate the date the work was completed. If the equipment was replaced, furnish a new tag, identical to the original tag, except that the MFG., MODEL NO., SERIAL NO., and DATE EQUIP PLACED IN SERVICE items shall be updated. Also, check the box indicating that the equipment has been replaced and indicate the date of replacement.

1.9 INVENTORY OF CONTRACTOR FURNISHED AND INSTALLED EQUIPMENT

A list of equipment or units of equipment that require electrical power or fuel, or may require removal or replacement such as AHUs, fans, air conditioners, compressors, condensers, boiler, thermal exchangers, pumps, cooling towers, tanks, fire hydrants, sinks, water closets, lavatories, urinals, shower stalls, and any other large plumbing fixtures, light fixtures, etc., shall be made and kept up to date as installed. The list shall be reviewed periodically by the Government to insure completeness and accuracy. Partial payment will be withheld for equipment not incorporated in the list. List shall include on each item as applicable: Description, Manufacturer, Model or Catalog No., Serial No., Input (power, voltage, BTU, etc.), Output (power, voltage, BTU, tons, etc.), Size or Capacity (tanks), and net inventory costs; any other data necessary to describe item and shall list all warranties and warranty periods for each item of equipment. Final list shall be turned over to the Authorized Representative of the Contracting Officer at the time of the Contractor's quality control completion inspection.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

-- End of Section --